

Our Energy, Your Power.













TEN offers an extensive range of Test and Measuring equipment.

- LV and HV Voltage detectors and testers
- ► HV Ammeters
- ► Phase rotation and multi meters
- ► Insulation and ground testers
- ► Equipment specific testers
- ► Markers and tracers
- Cable height and diameter gauges
- ▶ Dynamometers





NOTES





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E3



Test & Measure Equipment

Testing, Usage, Care & Storage

- Test equipment should be used only by trained and qualified operators
- Familiarise yourself with the operating instructions/manual and be sure you understand the warnings
- Ensure your equipment is always within its calibration test period
- Before use, inspect devices for signs of deterioration, damage or contamination and ensure functionality
- Store your test equipment in a protective case when not in use
- Keep equipment clean at all times

See Fibreglass Equipment section for Insulated Sticks - Storage section for PVC and Canvas storage solutions and Safety & PPE section for Cleaning Wipes

Consult local network providers for specifications on approved devices, safe operating procedures and instructions before using any tester on their network.



Static Discriminator
Ignores electric fields not
generated by a mains source
such as Powerlines



LT220 Detection Face

Voltage Detectors and Testers

LiveTester Proximity Detector - Starlogixs

Part No. LT-220

The LT-220 non-contact voltage detector identifies energised or de-energised conductors.

LiveTester is a technological breakthrough in non-contact voltage detectors. By utilizing state of-the-art electronic circuitry, StarLogixs has developed a completely new design in voltage detection equipment.

Static Discriminator technology exclusive in LiveTester provides more reliable detection on low voltage ranges, and now means no more false alarms. This makes LiveTester the first non-contact voltage detector suitable for line work and detecting pole leakage. This is due to the unique circuitry that allows it to ignore electric fields not generated by a mains source such as powerlines.

- Patented ferro electric detector
- Electronic touch-pad
- Self test function tests internal circuitry and audio visual features
- Auto power off
- Operator feedback both audible and visual
- Low battery indication
- Water resistant IP 65 and impact resistant
- All models 50Hz
- Universal & shotgun adapter

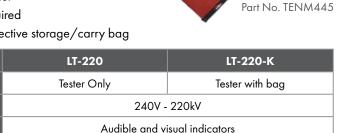
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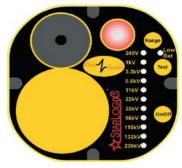
Description

Test Range (kV)

Warning Signals

- 3 x "C" size batteries required
- Supplied with canvas protective storage/carry bag





Electronic touchpad includes
11 range settings from 240V to 220kV



Supplied with bag

Optional Hard case with foam Part No. LT-220-CASE



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Designed for Transmission and Overhead and Underground

Distribution Networks in both







Proof Tester for AC/DC Voltmeters/Phasers (Part No. PT-5000B) Recomended for use with the DVM-80UVM Voltmeter



Digital Voltage Indicator Kit - HDE

Part No. DVI-500T-50-K02

The DVI-500T indicates voltage from $0.1\,kV-9.9kV$ and from 10kV-500kV with no range selector switch or settings required, making it the most user friendly indicator in the market.

- For use on system voltages up to 800kV (reads up to 500kV phase to earth)
- Large LED display indicates the phase to earth voltage level
- Display is easy to read in all lighting conditions
- Voltage readout allows the user to distinguish between nominal and induced voltages
- Audible indication when voltage is detected
- Measure elbow test points with the DVI-500T
- Built-in universal spline for standard hotstick attachment
- Built-in self test to verify proper operation
- Compact, rugged and lightweight polycarbonate housing





Operating Voltage Range	0-500kV phase to earth (0.1kV – 9.9kV and 10kV to 500kV)
Operating Frequency (Hz)	50 or 60 systems
Dimensions (mm)	Housing: 110 (H) x 180 (W) x 110 (D)
Weight (kg)	0.62 with small overhead probe
LED Height (mm)	38
Accuracy	Typical overhead line accuracy in compact overhead three phase configuration +/- 10%, other applications up to +/-25%
Power Supply	Field replaceable 9-volt battery
Battery Life	Up to 100 readings

Kit Includes

Part No.	DVI-500T-K02
DVI-500T	Voltage Indicator up to 500kV
PT-DVI	Proof Tester for Digital Voltage Indicators
IEP-DVI-5	Underground Bushing Probe, 15, 25 & 35 kV Class
HP-DVI-2	Overhead Hook Probe, 50mm Diameter Opening
HP-DVI-6	Overhead Hook Probe, 150mm Diameter Opening
CS-DVI-5	Rugged Plastic Case for DVI-500

Universal Digital Voltmeter 5v to 40kV - HDE

Part No. DVM-80UVM

The DVM-80UVM is a compact, high accuracy dual stick voltmeter and phasing set with capacitive test point mode and peak hold. The DVM-80UVM measures voltage from 5V up to 40kV and up to 80kV with a pair of optional add-on resistors. The two-stick design can be

Accurate Technology, which makes all voltage readings, whether made from phase to phase or phase to earth, accurate and repeatable to within 1%.

Overhead and Underground use

used in both overhead and underground applications. The DVM-80 units incorporate Phase

- Peak Hold mode
- Triple auto ranging 3.5 digit display reads in kilovolts from 5 Volts to 80kV
- Highly accurate, within 1% of the reading
- Backlit display for easy reading in bright or dark conditions
- Use on secondary voltages, starting at 5 V
- Auto shut-off
- Battery Powered by a standard 9V alkaline battery
- Weight of Voltmeter (without probes) 1kg
- Add-On Resistors for testing up to 80kV (Part No. R-80)
- Measures AC and DC voltages

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Tester show with OH probes

Designed for both Overhead and Underground applications



Shown with UG Bushing probes (not Included)



PT-DDVIP

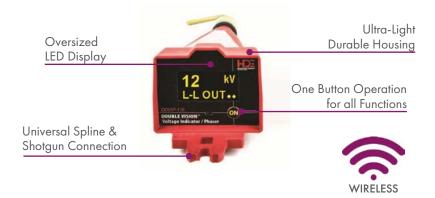
Dual Display Voltage Indicating Phasing Meter - HDE

Part No. DDVIP-138

Dual display wireless voltage indicating phaser with peak hold and capacitive test point modes, 100v-138kv

Features

- Measures voltage from 100V to 138kV line-to-line
- Can be used individually as voltage indicators or together for phasing operations up to 30m apart
- Two LED displays are automatically synchronized during phasing operations
- Clear in-phase and out-of-phase indication
- Versatile for overhead & underground applications
- Capacitive Test Point and Peak Hold modes



Part No.	Description
DDVIP-138	Double Vision Dual Display Voltage Indicating Phaser
Operating Voltage Range (kV)	100V-138kV Line to Line 100V-80kV Line to Ground, AC50
Phasing Frequency (Hz)	50/60
Accuracy	Within 15%, Depending on Geometry
LED Numeral Height (mm)	18
Battery	9V Lithium
Battery Life	8 hrs of continuous use
Operating Temp range (°C)	-29 to +49
Weight w/o probes (kg)	0.7 each unit
Dimensions w/o probes (mm)	360 (W) x 120 (H) x 100 (D)

Ordering Information

Part No.	Description
DDVIP-138 (Kit Includes)	1 set x Test Units/ 2 x OH Probes (025-OLPS-5)/ 1 x Carry Case (CS-DDVM)

Proof Tester for DDVIP-138 - HDE

Part No. PT-DDVIP

The PT-DDVIP Proof Tester confirms operation of the DDVIP-138

Power Supply	1 x 9V lithium or alkaline Battery
Output Voltage	50/60Hz
Weight (kg)	0.05
Dimensions (mm)	66W x 125H x 33D



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HDE.



- Visual and audible warning indicates the location of energized fields in a greenyellow-red sequence
- Warns of high voltage electric fields using WAVI technology - Work Area Voltage Indication
- Detectors communicate with each other within a mesh network
- Battery life of up to 500 hours in monitor mode and up to 8 hours in Alert mode
- Remotely control detectors through the LOOKOUT mobile app
- Durable water resistant housing

Ordering Information

Part No.	Description
LO-06	LOOKOUT 6-Pack Kit

Part No.	Kit Contains
LO-01	6 x LOOKOUT Voltage Detector
LOC-01	LOOKOUT Charger
LO-BGS	LOOKOUT Kit Bag

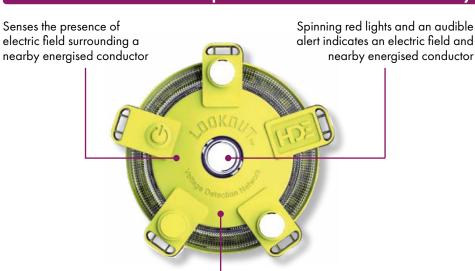


Voltage Detector Lookout 6 Pack Kit - HDE

Part No. LO-06



Ideal for Excavators & Dump Trucks in the Construction Industry



MESH NETWORK: When one LOOKOUT Detector senses a nearby energised conductor, it causes every detector in the network to begin alerting

HDE LOOKOUT APP Features

- Remotely turn detectors on/off
- Select system voltage
- Remotely self-test connected detectors
- Monitor battery level
- Rename connected detectors
- Real time notifications when voltage is detected









Includes Holster & Integrated Self Tester

Stray Voltage Detector 5 to 600V - HDE

Part No. LV-5-K01

The HDE LV-5 Detector picks up stray voltage as low as 5 volts on any electrically conductive surface such as street light poles, meter boxes, pole steps, manhole covers and conductive cable sheaths. It is also suited for detecting if a lead sheath has become live before entering a pit. Works as a contact detector up to 600VAC and proximity above 600VAC. This makes it ideal for asset inspectors, underground crews, telecommunications installers and council workers operating near electrical infrastructure.

This LV-5 has a large robust grip, bright LED indicator for enhanced daylight visibility and a self tester built into the holster to quickly test the detector on a known voltage source before and after use. The Detector operates by holding it with a bare or gloved hand and directly contacting the metal tip of the Detector to the potentially energised source.

The Detector is supplied with a belt clip holster, allowing the user to carry the LV-5 on their belt. The holster also includes an integrated tester that supplies a low voltage AC signal for testing the LV-5 before and after use.

Features

- Low threshold voltage sensing design picks up voltages from 5 VAC to 600 VAC with direct contact and proximity above 600 VAC at a distance
- Ultra bright, long-lasting red LED indicates when voltage is present
- Detector is always on, ready to use, and operates on two AA alkaline batteries (batteries not included)
- Rugged Utility-grade design for harsh environments
- IEC CAT IV Rated

Part	No.	LV-5-K01 (Includes: Belt clip holster & integrated Self Tester)
Dimensi	ons (mm)	267 (L) × 97 (H) × 58 (D)
Weig	ıht (g)	570
Batteries	LV-5 Detector	2 x AA Alkaline or Lithium-Ion
(not included)	Self Tester	1 x 9V Alkaline or Lithium-Ion
Acces	sories	LV-EH - Extension Handle / LV-GS - Earth Shield

Voltage Probe 50 to 600V - HDE

Part No. VP-1-K01

The VP-1 is designed for general purpose voltage detection with direct contact on LV and for use in detecting HV in underground cables on unshielded portions over the cable insulation.

- Tests exposed metallic surfaces and conductors for the presence of voltage
- Tests unshielded HV cable insulation
- Tests HV joint and termination test points for the presence of voltage
- Simple indication of voltage flashing red light and beeper
- Compact, lightweight and easy-to-use
- No on/off switch always on
- Super bright LED indicator
- Low battery indicator when flashing light is no longer visible



~ I			
Ord	erina	Information	

Part No.	Description	
VP-1-K01	Kit includes VP-1, PT-VP and B-35 carrying bag.	
VP-1	Voltage Probe	
Accessories		
PT-VP	Proof Tests VP-1 Voltage Probe	
B-35	Padded, zippered	

Part No.	VP-1 - Voltage Probe	
Operating Voltage	50 - 600V hand held 600V - 21 kV line to ground using appropriate insulating equipment	
Power Supply	2 x AA field replaceable batteries	
Output Frequency (Hz)	50	
Weight (kg)/Length (mm)	0.27/254	



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Universal pocket-sized voltage tester designed for testing power poles of all heights or situations that require a manual variation in voltage distance detection.





Mini SWER and Pole Voltage Tester

Part No. MW-SWER-POLE

Voltage Sensing Range		Hand Held 20volts - 10mm / Hand Held AC 50m - 500kV	
Visual		High Intensity LED	
Alerts	Audio	Electromagnetic piezo - 85 dB @ 10cm	
Dimensions (mm)		125.5H x 66W x 24D	
Weight (kg)		0.12	
IP Rating		IP 40	
Power Supply		Field replaceable 9-volt alkaline battery	
Accessories Nylon Belt Carry		Nylon Belt Carry Pouch (Included)	

Non-Contact Voltage Test Pencils

Part No. Various

Use to detect the presence of voltage at outlets, lighting fixtures, circuit breakers, wires, and cables or to find a break in a wire.

- Bright LED and audible alarm if voltage is present
- ON/OFF switch and Auto OFF for longer battery life
- Convenient pen size fits into pocket or tool pouch
- Replaceable AAA batteries (Included)
- Full circuit self test









Safe, Non-contact

voltage detection

Part No.	GT-13	NCVT-3	NCVT-4IR	NCVT-6
Description	Non-Contact Voltage Detector with built-in Flashlight	Non-Contact Voltage Detector with built-in Flashlight	Non-Contact Voltage Detector with built-in Infrared Thermometer (-30 to 250°C)	Non-Contact Voltage Detector with built-in Distance Measuring (20m)
VAC (V)	50-1000	12-1000	12-1000	12-1000
Display Type	LED	-	Back-lit LCD Screen	Reverse Contrast
IP Rating	-	IP67	IP54	IP40
Measurement Category	Cat IV 1000 V rated	Cat IV 1000 V rated CE	Cat IV 1000 V rated CE	Cat IV 1000 V rated CE





TSG-3 Test Probes (Included)

Voltage and Polarity Tester - Greenlee

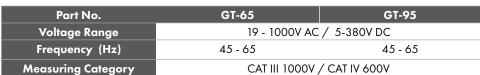
Part No. GT-Series

GT-65 Features

- Voltage warning by visual notification of voltage levels exceeding 1000V AC / 380V DC
- Auto-hold automatically activates when tester is removed from voltage reading
- Continuity test and single-probe detection of live conductors for added flexibility
- Non-contact voltage detection, visual & audible

GT-95 Features

- LCD and dual color LEDs for convenience
- Selectable SHAKER feature when measuring AC voltage
- RCD test capability eliminates the need for additional testers





GREENLEE.





Voltage Tester

Part No. VT2

The VT2 is a voltage and continuity tester, and tests voltages between 12 to 1000V AC / DC. The VT2 draws around 30mA of test current during operation eliminating ghost voltages and also providing a basic RCD test function. Other features also include a self test function, phase rotation and a audible buzzer on continuity. The VT2 is CAT-IV 600V and IP65 making it the perfect instrument for use outdoors in CAT-IV environments.

Features

- Voltage test: 12V to 1000V AC/DC (8 LEDs) with indication by buzzer
- Voltage range: 12V, 24V, 50V, 120V, 230V, 400V, 750V, 1000V
- Changeable probe tip for 2mm and 4mm
- Polarity test, audible continuity test & phase rotation test
- Self-test button to ensure proper function of the device prior to testing
- Waterproof design, protection class: IP65
- Phase/Neutral identification
- Rubberized double-molded housing
- ELCB/RCD trip test
- Flashlight function
- VESI approved



Proving Unit for Multi Meters and Voltage Detectors

Part No. PU400

The PU400 Proving Unit provide a safe and reliable means of checking the correct functioning of Multimeters and Voltage Indicators (VIs) before and after use as advised in the working practice for electricians. Additionally they have the capability of checking the operation of Non-Contact voltage detectors.

The PU400 is a battery powered proving unit and incorporated is a unique and logical safety function - the test voltage generated is at 50Hz to synthesize a genuine test at AC mains supply frequency – so it will always read correct using the AC range of your Tester or Multimeter.

Features

- Testing of multimeters, voltage indicators, contact & non-contact (VIs)
- Intelligent voltage ramp
- Generates from 50-690V with a true AC waveform output
- Non-contact voltage indicator test feature
- Automatic operation and turn-off
- Meets standards ILVD: BSEN 61010-1 (2010), EMC: 61326-1 (2006)

Part No.	PU400	
Output Voltage (V)	50 - 690 in five steps: 50, 100, 230, 400, 690	
Power Supply	6 x AA Batteries	
Output Frequency (Hz)	50 Pseudo Sine Wave	
Max Output Power (W)	10	
Weight (kg)	0.35	
Dimensions (mm)	130W x 68H x 48D	

PU240 Unit also available. Contact TEN for further information



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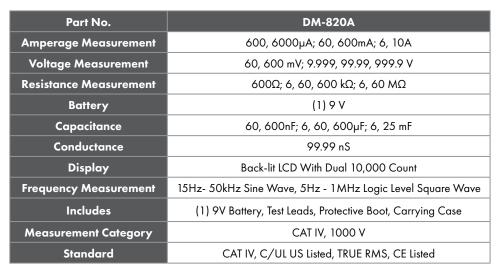


Part No. DM-820A

- True RMS for superior accuracy
- Measures voltage, current, resistance, capacitance and frequency
- Tests continuity and diodes
- Back-lit LCD with dual 10,000 count displays
- Beep jack warns when test leads are incorrectly inserted in current measurement terminals
- Automatic and manual range selection
- Relative offset mode to see changes in measurements



- Data hold
- Use optional USB Interface DMSC-9U for direct-to-PC logging
- Crest capture (Peak hold) plus recording of Max, Min, Max-Min Average
- Two voltage detection modes Noncontact or using a single test lead
- One temperature measurement using a type K thermocouple
- Conductance measurement
- Limited lifetime warranty





TSG-3 Test Probes



Digital Multimeter - Klein

Part No. MM700

- Multimeter with automatic ranging true root mean square (TRMS) technology for increased accuracy
- Tester measures up to 1000V AC/DC voltage, 10A AC/DC current and 40MΩ resistance plus temperature, capacitance, frequency, duty-cycle, test diodes and continuity
- Low Impedance (LoZ) mode for identifying and eliminating ghost or stray voltages
- CAT IV 600V Safety Rating



- Built to withstand a 2m drop
- For use in environments such as residential, business and light-industrial locations
- Low battery indicator
- Easily accessible battery and fuse replacement compartment
- Includes carrying pouch, test leads, alligator clips, thermocouple with adapter and batteries



Part No.	MM700	
Current	10A AC & DC	
Voltage	1000V AC & DC	
Resistance	40 ΜΩ	
Battery	2 x AAA	
Capacitance	4000 _µ F	
Frequency	1 - 500KHz	
Display	LCD 4,000 Count	
Ingress Protection	IP42	
Standard	CAT IV 600 V - CAT III 1000V	
Weight (kg)	0.41	



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Part No. CM-Various

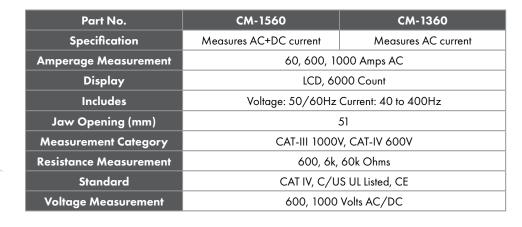
- Also measures DC voltage, resistance, capacitance and frequency
- Tests continuity and diodes
- Flashlight inside clamp jaw for easier work in dark locations
- Back-light & relative mode for added versatility
- AmpTipTM increases accuracy on small wires and low current
- Two voltage detection modes non-contact or using a single test lead
- Recording of Maximum, Minimum, and Average readings

CM-1360 Features

- AC voltage measurement with digital low pass filter for accurate readings on variable frequency drives
- Recording of maximum, minimum, and average readings

CM-1560 Features

- AC and AC+DC voltage measurements with digital low pass filter for accurate readings on variable frequency drives
- Peak-RMS measures motor in rush current
- Crest (peak hold) feature captures current or voltage peaks as short as 5 milliseconds









Loadtester - Cat IV 600V

Part No. LT240A15

The Loadtester is used as an electrical load on kWh power metres when testing to ensure the correct operation and functionality of the metres.

The Loadtester incorporates fused probes with silicon leads and is housed in a compact body. It is protected by an automatic thermal cut-out switch.

Specification

- Voltage: 240 250V max. 1Ø
- Load: 1100W 4.5amp.
- Internal Fusing: 7amp.
- Safety Rating: Cat IV 600V Cat III 1000V.
- Compliant to: AS: 61010.1: 2003.
- Weight: 420gm.
- Leads: Silicon with internal white wear indicator layer.

- Test Probes: Cat III 1000V.
- Motor: 1100W with thermal cut-out.
- Grills: Black Nylon 15% Glass Filled.
- Cable Grommet: TPE 90A Shore.
- Body: PC-ABS Fire Retardant spark finish.
- Hook: Polished 316 Stainless Steel that allows hands free operation.



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Phase Rotation Meter - Contact

Part No. PR3

Our Phase Rotation Meters have been designed to offer the highest Safety Rating CATIV 600V. TEN offers both contact and non-contact versions. Our Phase Rotation Meters are designed for Use with Utility workers, ASP Service providers, Industrial, Commercial and General Electricians.



- Two functions in one unit: open phase and phase rotation and sequence.
- Lamps let you determine at-a-glance if phase is open
- Fused Test Leads for Safety
- Probes and alligator clips included
- Large size alligator clips for easy clipping onto switch-boards terminals
- Instruction manual and Soft Pouch Included
- CAT IV 600V Safety Rating
- Checks a wide range of 3-phase power sources.



Phase Rotation Meter - Non Contact

Part No. PR3NC

Features

- The PR3NC is a Non-Contact phase detector with flashing LEDs and a beeping buzzer to show the detection of AC 3-phase sequence.
- Two functions in one unit: open phase and phase sequence detection.
- Convenient brightness switch to make the indication visible in dim areas or sunlight.
- Back cover magnets which attach the instrument to the distribution panel offer easy measurement.
- 3-Phase AC 75 to 1000V is fitted for detection.
- Detect frequency range is from 45 to 65Hz.
- Available with a 2m test leads Part No. PR3NC-2M



Supply Connection Testers

Loadtester - Starlogixs

Part No. SL-X-LB1800

- 1800W Load Bank
- The load bank has two settings with the following electrical specifications:
- Low Setting (1) = measured 3.7 AMP draw at 250VAC (925W)
- High Setting (2) = measured 7.1 AMP draw at 250VAC (1775W)
- The free probe of the load bank has an 8 amp ceramic protection fuse fitted inside

Low Setting	High Setting
3.7 Amps	7.1 Amps
250VAC 250VAC	
2 P	robe
925W	1775W
8A Fuse	8A Fuse





STARLOGIXS



Supply Connection Tester - StarLogixs

Part No. SCT16-415-K

The SCT16-415 performs a test and measures volts and impedance in relation to the connected Active, Neutral and reference Earth to determine a safe or unsafe connection at the customers premises.

Function

Performs a test between Active & Neutral and Earth & Neutral, and displays PASS (Green LED/one beep) or FAIL (Red light/two beeps) followed by the Voltage and/or Resistance results.

Features

- Simple Operation (No Batteries Required)
- Rapid Test Time (2 full 50Hz cycles)
- Heavy Duty Load Bank Resistors
- Back-lit LCD display for poor ambient lighting conditions
- Bright LED's & Audible PASS/FAIL alarm
- Ergonomic Case
- Lead Set Cat IV 600V w/ Crocodile Clips and Probes
- Withstands exposure to 415V
- Internally fused 10A
- Enclosure sealing to IP65
- Design meets Cat IV 600V IEC/AS61010
- Designed & Manufactured in Australia





Ladder web strap and bracket supplied with in-built strong magnet



Supplied with complete set of high quality Cat IV connector cables



Input Frequency (Hz)	50 nominal	
Test Duty Cycle	Measurements can be repeated every 20 seconds	
Operating Temperature Range (°C) -10 to 55		
Maximum Relativity Humidity	80% max, non-condensing	
Dimensions (mm)	210 (H) x 110 (W) @ display head 80 (W) @ body	
Tester Weight (without leads) (g) 465		



KLEIN

TEST & MEASUREMENT

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Insulation Resistance & AC/DC Voltage Tester - Klein

- Voltage Tester tests insulation resistance up to $4000M\Omega$ @ 125, 250, 500 and 1000V DC
- Measures up to 1000V AC/DC, resistance and continuity
- Megohmmeter with test and lock buttons for simple insulation testing
- Warning alarm and high voltage icon for detection of voltage
- CAT III 1000V safety rating, as required by AS 5732:2015-4.4.10



Part No.	Safety Category	Dimensions (mm LxWxH)	Battery	Weight
ET600	CAT III 1000V	210.5 x 91.2 x 58.9	6 x AA (included)	0.6kg
Kit Includes	Owner's Manual, C	ase, Right Angle Test Leads, He	avy-duty Alligator Te	est Leads

Insulation and Continuity Tester - Kyoritsu

Part No. 3132A

The Kyoritsu 3132A is a small and lightweight analogue insulation and continuity tester. With an AC voltage range of 600V, the Kyoritsu 3132A is capable of testing insulation resistances using test voltages up to 1000V. A 1mA rated test current can be utilised at minimum resistance, as well as a 200mA measuring current on continuity testing. The 3132A features an easy to read scale as well as a shock- resistant case, which is both dust and drip proof (rated to IP54)

Key Features:

- 1 mA rated test current at the minimum resistance.
- 200mA short circuit current on continuity testing.
- Designed to meet IEC 61010-1 and IEC 61557 safety standard.
- Automatic discharge of circuit capacitance (automatically discharged after test).
- Live circuit warning buzzer and neon lamp.
- AC voltmeter with linear, easy-to-read scale

Earth Testers

Digital Earth Tester - Megger

Part No. DET3TD

The new earth testing instrument family from Megger offers a unique solution to your earth rod testing needs. The complete kit of instrument, test leads, stakes, batteries and calibration certificate are delivered in a tough polypropylene carry case.

Features

- IP54 rated
- 2 and 3 point testing
- Selectable 25 V or 50 V output
- Complete with lead and stake kit
- Simple one button operation
- Hard wearing carry case
- Delivered with calibration certificate

Earth Clamp Resistance Tester

Part No. CMGRT-100A

Measure the earthing circuit performance without disrupting services. Fast and accurate "Stakeless method" to measure earth resistance. Includes customizable audio tone and visual alarms with three user defined settings for impedance, voltage and current.

Features

- Accessories included: molded carrying case, 4 x AA Batteries and calibration verification loop
- Non-contact voltage indication alerts the operator if voltage is present by an audible tone while displaying a "V"
- Earth circuit remains in service during testing
- Safety Category: CAT IV, 600V
- Memory stores up to 300 measurements

GREENLEE.

• Auto off after 5 min







E15



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Digital 3 Wire Earth Tester

Part No. T2720

Features

- Earth resistance tester for two or three electrodes
- 31/2 digit 1999 count LCD
- Measures earth voltage to 200V
- Includes electrodes, long leads and simple push button operation
- Spare lead set: AL36RYGKIT

Loop Impedance Meter

Part No. WMGBMZC304

- Short circuit loop measurement
 - Short circuit loop impedance measurement in networks with nominal voltage: 220/380V, 230/400V, 240/415V, with frequency 45...65Hz;
 - Short circuit loop impedance measurement with 15mA current, without triggering RCD
- Low voltage resistance measurement of protective circuits and junctions
- Measurement of resistance with ±200mA current,
- Calibration of test leads possibility of using any length of test leads
- Low current resistance measurement with acoustic signaling
- Rapid check for the correct connection of PE wire using touch electrode. Measurement of mains voltage and frequency.
- Power supply from LR6 batteries or NiMH accumulators (option)
- The device meets the requirements of IEC 61557 standard
- IP67



Earth Trailing Lead Reels

20m - Earth Trailing Lead Reel

Part No. ETL20SS

Developed with Australian utilities the Earth Reel has a 1000V insulated handle covering a strong stainless steel rod to eliminate a requirement in some regions to cover the spike. The tapered auger assists with easy driving into the variety of soil densities encountered in the field. Incorporated into the earth reel is a custom brass bushing running the full width of the reel, this runs smoothly on the stainless steel shaft ensuring continuous reliable continuity.

Features

- 20m Insulated Earth Trailing Lead
- 1000V Insulated Handle
- Green flexible 1.0mm Cable 0.6/1kV
- Adjustable drag system w/out tools
- Option for direct connection via 4mm Banana plug
- Brass Bushing for extra Low Resistance Connectivity
- Stackable Banana Plug for multiple connections at service end
- Stainless steel construction
- Auger for easy driving

50m - Earth Trailing Lead Reel Part No. ETL50

The 50M Earth Trailing Lead is a high quality portable cable reel supplied with 50 metres of flexible cable 1.5mm 30/0.25. Furthermore it features only Quality Components. Earth Trailing Lead Connects directly to most brands of test equipment. Equipped with One alligator clip and two 4mm banana plugs. It is also supplied with a temporary independent earth stake. The cable is calibrated and resistance is marked on the Trailing Lead. The Earth Trailing Lead is also available in 100M Version.

Part No. 2010-083

- Lightweight reels
- Large comfortable handle
- Sits on the ground or any flat surface
- Clips on reel to retain earth spikes/pins
- Clips on reel to retain the end of test leads
- Ability to daisy chain allows extra long length in manageable chunks.
- The manageable chunks make reels lighter and easier to carry, helping to quickly resolve any connectivity issues





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High Voltage Ammeters

HV Ammeter - HDE

Part No. HVA-2000H

The HVA-2000H is a high voltage digital ammeter designed for taking AC current measurements up to 2000 amps. The HVA can be used on system voltages up to 500kV. The large, bright LED display allows real time monitoring of current from the longest of telescoping hot-sticks in all lighting conditions. The HVA-2000 will store the last 4 readings.

Quickly take readings on conductors up to 500kV (phase to phase)



Features

- Quickly obtain current readings on conductors up to 500kV (phase-to-phase)
- Measures AC current, 25-500Hz
- Use in overhead and underground applications
- Take spot-load checks with ease
- Verify phases are balanced
- Read the measurement in real time from the large digit display
- Stores the last four current readings
- Display is easy to read in bright or dark conditions
- Auto shutoff with low battery function
- Small and lightweight, easy to manage on an extension hot-stick - 0.82 kg
- Dual hot-stick connections universal spline and shotgun stick
- Use on conductors up to 70mm
- Accuracy 1% of reading
- Includes rugged plastic carry case



Ampstik Plus - Sensorlink

Part No. Various

The Ampstik+ provides reliable measurements, giving line personnel the confidence to make immediate decisions while working and troubleshooting in the field.

The Ampstik+ measures in every electric utility setting with a linear current sensor to accurately measure 1A to 5000A, while in voltage environments up to 500kV.

The opening of the amp sensor is electronically closed, while external currents are electronically rejected.

This design enables the user to measure an individual conductor within close proximity to adjacent conductors without interference errors.

The Ampstik+ holds up to four readings, This simple process makes the Ampstik+ a practical, labor saving instrument.

The back-light will automatically power on when the ambient light is low.

Part No.	8-024 PLUS	8-020XT PLUS	
Description	Wide Jaw Ampstik+	Ampstik+	
IP Rating	IPo	67	
Voltage (kV)	0-5	500	
Current Amps (A)	0-5	000	
Jaw Opening (mm)	100	63.5	
Resolution			
1-99.	1-99.9Amps - 0.1A		
100-1999Amps - 1A			
2000-5000Amps - 0.01kA		1 kA	
Accuracy (%)	± 1%, ± 2 counts		
Frequency (Hz)	47-53		
Stores Readings	4		
Display (Digit)	3	.5	
Housing	Fire Resistant & Waterproof Polycarbonate		
Attachment	Universal Stick Fitting		
Battery	9V Included		
Carry Case	Sold separately		
Weight (kg)	nt (kg) 1.18 0.79		

Features

- Sample and hold four amp readings
- Open CT rejects stray magnetic fields
- Open Jaw for Easy slip on and off the conductor
- No position sensitivity
- Back-lit LCD for low-light environments
- Overhead and underground use



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Contact TEN for further information on the Megger Microhmmeters

Digital Microhmmeters

OHMSTICK-PLUS - Sensorlink

Part No. 8-082XTPLUS

The Ohmstik Plus takes accurate current and micro-ohm measurements from conductors, connectors, splices, and switching devices when placed directly on the energized asset.

The Ohmstik Plus is used to evaluate line splices, bolted terminals, taps, jumpers, and substation bus bars. Additionally, switches, fused disconnects, and normally open switches that have been open for long periods, may be measured just after closing.

These connections can be measured right after installation, or surveyed after years of service.

- Reduce connector failure rates
- Measure and evaluate connections on transmission and distribution conductors
- Verify resistance on closed switch contacts
- Check taps and jumpers for connection reliability
- Evaluate aging of connections

8-082XTPLUS 8-084		Carry case, fused & adjustable probe, angle adapter		
		Wide Jaw Ohmstik, carrying case		
Sens	or Ope	ening (mm)	63.5 (8-082XTPLUS)	98.5 (8-084)
	Weigh	nt (kg)	1.10 (8-082XTPLUS)	1.81 (8-084)
Fr	equen	cy, 50Hz	47-5	53
	Measur	ements	Nine read	ling sets
_ ,	Volta	ge Phase to Phase	90VAC -	500kV
Range of Operation	Tı	rue RMS Amps	1-1400 A	
		Micro-Ohms	5-2500 μ Ω	
	A	mps 0.9-99.9A	0.1A	
Resolution	An	nps 100-1400 A	1A	
Resolution		Aicro-Ω 1-999	1 μΩ	
	Mic	ro-Ω 1000-2500	1.0 μ Ω	
		Current	± 1%, ± 1A	
Accuracy	Mi	icro-Ω Absolute	± 2%, ± 2 μ Ω	
	Micro	o-Ω Repeatability	± 1%, ± 2 μ Ω	
Hot-Stick Mounting Universal fitting		l fitting		
	Bati	ery	9V Alkaline or Lithium	

Digital Microhmmeter - Megger

Part No. DLRO600

Megger Ductor™ DLRO600 measures resistances between 0.1µohm and 1ohm, at high currents. This versatile instrument can provide test currents from 10amps up to 600amps subject to the load resistance and supply voltage.

A large liquid crystal display provides all the information needed to perform a test; all test parameters and measurement results are displayed.

The unique design allows the weight and size of DLRO600 to be kept to a minimum; the instrument weighs less than 5kg. The high current capability and compact design make DLRO600 suitable for testing circuit breaker contacts, switch contacts, busbar joints or other applications where high current is needed.

Part No. DLRO10 With Lith-Ion Battery

The MEGGER DLRO10 bring new standards to low resistance measurement. A fully automatic instrument, selecting the most suitable test current, up to 10A DC to measure resistance from $0.1\mu\Omega$ to 2000Ω on one of seven ranges.

The DLRO10 is built in a strong, lightweight case that is equally at home in the field or in the laboratory. Light enough to be worn around the neck and small enough to be taken into areas which were previously too small to access. DLRO10 uses a large, bright $4-\frac{1}{2}$ -digit LED display.

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Discharge Kits

Volt Meter & Discharge Kit AC System DC Link Capacitor

Part No. RCDC1KAU-KM-KIT

Used to safely drain capacitive charge after a circuit has been de-energised

Detector used to properly measure the AC system DC link voltage before performing any work on any high voltage components, and to provide a discharge procedure for the AC system DC link capacitors in the case of failure of the built-in discharge circuits

Customisable kits to suit your electric vehicle



Kit Includes:

- DVM-80UVM Universal Digital Voltmeter with Second Probe
- 3.65m Coiled Interconnecting Cable
- 2 x Brass Cup Probe Tips
- 1 set Discharge Probes
- 2 x 600mm Extension Sticks
- 2 x 600mm Universal Sticks
- 2 x Hand Guards
- Class 1 Insulating Gloves
- Leather Outer Gloves
- Cotton Inner Gloves
- Carry Case



Status Displayed

- 1) Phased
- 2) Swap A/B
- 3) Swap B/C
- 4) Swap A/C
- 5) Rotate ABC
- 6) Rotate CBA
- 7) Earth/Short Circuit
- 8) Low Battery

Equipment specific testers

Cable Core Identifier

Part No. CCI-09



Coremaster identifies correct cable cores in underground or multi-core cables

- Only for use on de-energised cables
- LED indication, refer below for status displayed
- Easy to use and clear indication
- Diode set protects unit from insulation testers
- Colour coded fused leads: red, white and blue
- Continuous re-test as leads are swapped
- Auto power off with low battery indication
- Self test function
- Supplied in carry bag



Part No.	Carry Case	Wt (kg)
CCI-09	Nylon	0.6



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Leakage Current Monitor - Chance

Part No. C407-0025

To alert utility line-workers of over current conditions on devices such as insulated ladders and EWP booms, the Chance Sentinel sounds an alarm if leakage current reaches a pre-set level.

- Audible warning eliminates the need to watch the actual current level that is continuously displayed on the digital LCD screen
- Simple operating steps printed on the inside lid panel, and a detailed instruction sheet is included
- Kit includes one coaxial cable and battery, two jumpers, and three hose clamps for connections to two or three rail ladders
- Brackets on box secure to earthed structure up to 15.8mm thick, such as a transmission tower



Insulator Tester - HDE

Part No. HV-IT-40

Used for field insulator assessment up to 40kV

- Measures voltage across live insulator string which enables quick and accurate identification of faulty insulators
- Digital display
- Universal attachment
- Rugged design with ABS moulded case



Part No.	Measurement Range (kV)	Accuracy (%)	Temperature Conditions (°)	Temperature Dependence (%)	Dimensions (mm)	Battery	Wt (kg)
HV-IT-40	0 – 40 DC Resolution 100V 0 -28 RMS (Factory Calibrated for RMS setting)	± 5 (50- 60Hz)	Test = 20 ± 3 Working = -5 to 50 @ 0 to 80% Relative Humidity Storage = -20 to 70 @ 0 to 90% Relative Humidity	Typical = 0.05 of reading/ °C Max = 0.1 of reading/ °C	Without rope = 360 x 230 x 150 Carry Case = 450 x 370 x 250	1 x 9V	Unit = 1.3 Carry Case = 3.6





Transformer Tester - HDE ClearTest

Part No. CT-300

The ClearTestTM Transformer Tester provides quick and easy tests of de-energised power distribution system transformers. It is a handheld device with a single push button that provides a clear indication of open circuits, short circuits, including shorted turns or shorted windings and confirmation that the test results are OK.

It briefly energises the transformer and takes a snapshot of the transformer condition by measuring the voltage, current and power factor of the test signal.

ClearTest looks both inside and outside the transformer - testing the coil, core and windings, as well as between the transformer & whatever it is connected to.

- Finds internal transformer defects before energising
- One tester for all transformer types
- Test the LV & HV sides of de-energised transformers without disconnecting
- Tests all connections from transformer to meter
- Improve SAIDI statistics by quickly testing and getting the transformer back in service
- Built-in self test

- Prevents line workers from installing a fuse on a shorted transformer
- Quickly verifies the LV connections are not shorted
- Compact, lightweight and easy-to-use
- Powered by two 9V field replaceable lithium or alkaline batteries
- Audible alarm confirms successful test
- A magnet is included to hold the ClearTest in place while testing



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Battery Powered Hot Stick Tester - Hastings

Part No. 7707

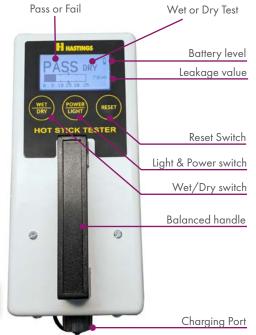
Utilising a 2,500 volt output, the meter is calibrated to indicate the leakage values that would be present if $75\,\text{KV}$ were applied to a 300mm section of the fibreglass for the wet test and

100KV per foot for the dry test

Features

- Battery or USB operation
- Push Button switch for wet or dry tests and a dual range scale which gives the operator leakage current values in micro amps
- Portable and lightweight for easy use
- Meets OHSA 1910.269
- The tester is designed to protect the operator while in use
- The tester comes complete with a padded carrying case and instructions.
- A test bar is also provided to ensure the tester is working properly

See Fibreglass Section for related cleaning products



					10.754	
Part No.	USB Charging Cord Part No.	Operating Temperature	Battery Life	Charging time	Dimensions (mm)	Wt (kg)
7707	A30431	0-40 (°C)	6 Hrs	1.5 Hrs	195 (H) x 100 (W) x 94	2.4



Rope Tester, Liveline - HDE

Part No. RT-10

The Rope Tester is designed to test live line ropes for dielectric integrity in the field.

Ropes a diameter ranging from 13mm to 38mm can be tested.

PORTABLE - DURABLE - EASY TO USE

Heavy Duty Clamps

Heavy Duty Clamps

ONOFF

High Lesburg

High Lesburg

A fireful for some service and service an

Test ropes 13 - 38mm for dielectric integrity

Features

- Continuously test any length of rope
- Conductive condition is displayed by red (bad) LED's
- Powered by 2 x 9VDC replaceable batteries
- Audible buzzer sounds if defective sections of rope is found
- Small, portable and easy-to-use
- Magnetic Mounts at rear

Bright LED's Indicates Rope Condition



Durable Housing with built in Handle

The manufacturer recommends that ropes be tested as close to the time of use as possible

Loud Buzzer - Indicates Rope Condition

Variations in humidity over time make it possible for the same rope to test good at one time and bad at another time.

Part No.	Rope Capacity (mm)	Nominal Output	Battery	Current Threshold "Bad Rope" Indication	Dimensions (mm)	Wt (kg)
RT-10	13 - 38	10(VDC)	2 x 9VDC Lithium-Ion	15μΑ	195 (H) x 100 (W) x 94 (D)	0.91







Power Pole Testing Equipment - POLUX 5

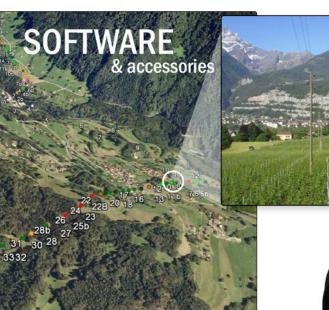
Wood Pole Condition Assessment

With more than 5 million timber power poles in service in Australia, managing the life of these assets and controlling capital expenditure is a top priority for any distribution utility. For many years, reliable data from fast, non-destructive hardwood pole testing has been the holy grail for asset managers. TEN is excited to be working with Concept Bois Technology (CBT) on their 5th generation Polux non-destructive pole testing technology here in Australia. Polux5TM is a lightweight, handheld testing unit that ascertains the wood density profile with moisture content to evaluate the current state of timber degradation. Backed by many years of data collection and the PICUS software platform for in-field data collection, the asset management benefits and productivity gains are extensive.

POLUX 5 Process

POLUX 5 is set on the pole thanks to a screw. The energy is recorded during the whole screwing process. The angle of the device on the pole is stored.

Once the device is set on the pole, the measuring pins are automatically driven within the pole and record both the penetration force and the energy required. Moisture content is stored when the measuring pins are fully within the wood.





Measures wood Density to ascertain a residual strength reading in MPa

In-field Data Collection

Picus software is entirely designed for Polux and any other data collection including GPS, visual inspection, pictures, Datamatrix etc.





Contact TEN for further information on the POLUX System

Dimensions (mm)	394 x 160 x 82
Weight (kg)	2.8
Battery	18V Li-Ion
Wireless	Bluetooth
Inclinometer	Integrated



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Go-Pro™ Camera Stick Mounting Accessories

Part No. Various

Modeled after the HASTINGS Tel-O-Pole series, this specially engineered hot stick allows for a Go-ProTM Action Camera to be mounted and utilized for quick, easy, and safe inspection of and around energised lines, transformers, insulators, poles, buildings, bridges and other assets.

Utility workers can use the camera to wirelessly stream and record live picture and video to the ground with any iPhone, tablet or android device campatible with the Go-Pro Application.

The hot stick may even allow inspections to be completed without the use of a bucket truck, lift, or climbing gear.



- Lightweight
- Fiber Glass Stick Tested at 100,000 volts per foot
- Camera Assembly Tested up to 40,000 volts
- Extended 9.15m / Retracted 1.6m
- The camera mount adapter can be used in any position & is included with the R-30-G stick
- The Clamp Claw Mount* clamps to any hot stick
- Camera Light* can be used on Camera Mounting Insulated Stick or the Clamp Claw Mount
- Smart Phone Mount* has adjustable strap to fit on most hot sticks.
- * Sold Separately







Clamp Claw

Go-Pro Mount A30414

Go-Pro with 5455-10-GOPRO
Rising Sun attachment



10-150 Camera Light



Ordering Information

Part No.	Description	Wt (kg)
R-30-G	Camera Mounting Insulated Hot Stick	1.80
A30413	Smart Phone Mount	0.11
A30414	Clamp Claw Mount	0.22
10-150	Camera Light	0.11
C-35	Canvas Stick Bag	0.26
5455-10-GOPRO	Rising sun attachment connects direct to camera	0.67

Go-Pro Action Camera and phone not included



Go-Pro Camera Mount R-30-G

Rotary Angle Meter - Dual Scales

Part No. SLANT100

Rotating dual-scale/angle meter is for fast measuring, setting or replicating of pitch or angles

- Fast & Reliable
- Rotate Thumb Screw until Vial is Level
- Also available in Magnetic Version

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Digital Cable Height Meter - Suparule

Part No. Various

The Suparule Conductor Height Meter is a handheld meter for measurement of sag, height, and CTG clearance for overhead conductors and cables. The Suparule Cable Height Meter utilises ultrasonic signals to determine the height of overhead cables up to 23m.

Features

- Measures up to 23m
- Easy to use with LCD Display, one man, one button operation
- Long life battery capable of 50,000 measurements
- Auto power off after 3 minutes
- Inherently safe No physical connection to cables or wires required to obtain measurement
- Extremely Accurate measures to accuracy of 0.5%
- Compact size Its lightweight and handheld portability allows easy transport and multiple measurements
- Maintenance-free proven reliability in the field, no adjustments required
- 9v Battery Included

Ordering Information

Part No.	Description
\$600E	Cable Height Meter - 6 Wires Up to 23m Includes: Cable Height Meter & Leather Protective Case



Contact TEN for further Suparule models & option

Conductor Diameter Gauges

TEN Conductor Gauge

Part No. CG-430-AU

HDPE slide gauge quickly & easily identify conductor OD

- Designed for Australian AL, CU & ACSR conductors
- Measure Live Conductors

Conductor **Identification**

Reduce Incorrect

- For conductors 4.0 30mm Ø
- Fits universal sunrise fitting

Part No.	Dimensions (mm)	Wt (kg)
CG-430-AU	104 x 287 x 10	0.26

Conductor Diameter Gauge - AL, CU & ACSR

Part No. Various

Quickly & easily identify common overhead electrical distribution conductor or wire sizes in AL, CU & ACSR. Markings include conductor name, stranding and overall diameter.

- Hole in base for use with a shotgun stick and hanging storage
- Imperial and metric sizes included
- Precision machined from lightweight aluminium alloy

Part No.	Conductor Range	Dimensions (mm)	Wt (kg)
CG-EQL-ALCU	Copper 7/.064 – 4.87mm to 19/2.75 – 13.8mm Aluminium Locust – 7/.093 - 7.08mm to Taurus - 19/4.75 - 23.80mm	257 (L) x 91 (W) x 14 (D)	0.75
CG-EQL-ACSR	ACSR Quince - 5.25mm to Wolf – 18.13mm	209 (L) × 91 (W) ×14 (D)	0.65



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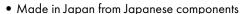
Mechanical Dynamometers - Nagaki (NGK)

Part No. Various

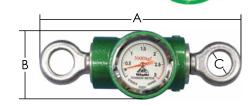
NGK Dynamometers are lightweight, compact and plated to resist corrosion.

All models feature a large face dial for easy reading of measurements.

Trust only the Original Established in 1946



- Precise measurement of tension and loads
- Kilogram/force (kN) dial display
- Accuracy ±3%
- Plated to resist corrosion
- Supplied with In-Service Date sticker



All models now with large 28mm eye

A-30 Model

Down No.	Capacity	Graduation (Gauge	Dim	nensions (n	nm)	Wt
Part No.	(kN/T)	Increments) (N)	A	В	С	(kg)
AS-3	3/0.3	50	110	65	16	0.7
A-10	10/1	200	135	65	28	1.2
A-20	20/2	500	135	65	28	1.6
A-30	30/3	500	150	80	28	2.0
A-50	50/5	1000	260	95	28	3.0

DILLON

Mechanical Dynamometers - Dillon

Part No. Various

It is used for such diverse jobs as suspended weighing, mounting cables for bridges, adjusting tension on guy wires, tensioning conductor.

- Accuracy ±0.5% of full range
- Max hold feature
- Accurate readings from varying sight lines with fog and scratch resistant dial
- All units include calibration certificate and manual
- Corrosion resistant
- Option of 125mm or 250mm dial size
- Supplied with rugged ABS plastic carry case
- Supplied with In-Service Date sticker



Durable powder coating

Optional Extra
Klaxon signal alarm
– mounted on back of
meter, can sound at
preset load point



Official certificate of calibration, dated and signed, accompanies each new Dillon Model AP dynamometer.

This is your guarantee that every unit is within the stated accuracy tolerances before it leaves the factory.



Part No.			Ultimate Safety	
125mm Dial	Capacity (T)	kg Division	Factor	
30006-0134	0.5	5	5:1	
30006-0159	1.0	10	5:1	
30006-0126	2.0	20	5:1	
30006-0167	4.0	25	5:1	



DILLON



Digital Dynamometers - EDJunior - Dillon

Part No. EDjunior

- Accuracy 0.2% of capacity
- Easy to read wide angle 26mm Back-lit LCD with max hold feature
- Soft key interface with programmable functions
- Rounded edges prevent binding or snagging
- Manufactured from aircraft grade aluminium alloy
- Calibration certificate, manual and batteries included
- Corrosion resistant and supplied with carry case
- 7:1 factor of safety at all capacities
- IP Rating IP55
- Supplied with In-Service Date sticker

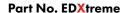
EDX & EDJ IP55 designed for weather & water resistance

Part No.	Capacity (T) (0.2% Accuracy)	Increments (kgf)	Dimensions (LxWxDmm)	Wt (kg) with Shackles
EDJR-1T	1	1	312 x 127 x 52	1.8
EDJR-2T	2	2	269 x 127 x 75	3.9
EDJR-5T	5	5	289 x 135 x 102	6.5

Other sizes available. Contact TEN for further information

Digital Dynamometers - EDXtreme - Dillon

Bluetooth



- Accuracy 0.1% of capacity
- Sturdy aircraft-quality aluminum, corrosion resistant and supplied with carry case
- High-resolution dot-matrix back-lit LCD display offers large 26mm numbers
- Soft-key interface allows easy and intuitive operation and configuration
- Injection molded, thick Lexan panels offer superior impact protection
- All units include calibration certificate, manual and batteries
- Radio or Hardwire Communication (RS-232 or RS-485)
- Models include Remote Configuration, Data Acquisition and Single Point Monitoring of Multiple Units. This is possible with hardwired or radio communications & optional remote Communicator II
- Supplied with In-Service Date sticker

Part No.	Capacity (T) (0.1% Accuracy)	Increments (kgf)	Dimensions LxW (mm)	Wt (kg) with Shackles
EDX-1T*	1	1	269 x 127	3.9
EDX-2T*	2	2	269 x 127	3.9
EDX-5T*	5	5	289 x 135	6.0
EDX-10T*	10	10	291 x 133	17.0
Communicate	or II - (Includes case	& batteries)	241 x 127	2.0

^{*} EDX-Models are supplied Radio Ready and include Rated Shackles

Communicator II

ABS plastic carry case

Stringer APP for EDXtreme and Quickcheck Tension wmeter



DILLON EDX and QUICKCHECK paired with the "STRINGER APP" gives Lineworkers and Riggers the target tensions to build Utility Power-lines and tension Communication Towers to design specifications

Contact TEN for further information



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Tension Meter - Dillon

3254 KN

Quick-Check "T" Tension Meter - Dillon

The Dillon Quick Check-T Tension Meter makes a difference. It quickly measures tension in cable tower guy wires, overhead lines and road barrier cables. It reduces time on the job site by not having to change sheaves, and the need to thumb through charts to figure out target tensions. This unit also reduces time off the job site by having automatic site form completion, with image, and direct complete reports.

Install, measure and



Bluetooth



Dedicated simple to use APP

All the data in the palm of your hand

Heavy Duty Carry Case



Batteries



Quick Check "T" shown testing tower guy with phone APP



Quick Check "T" shown with Test Bar and phone APP

WHY Dillon Quick Check "T"? What's the Difference?

- Bluetooth® enabled
- Custom mobile app
- Multi-wire single sheave
- Calibration check rod
- Automatic report generation with photos
- Automatic target tension calculations
- Ability to capture pre and post tension readings
- Inbuilt image capture

Part No.	AWT05-100370	QC-T
No. of Callibrations	16 Tower guy + Test Rod	1 x Test Rod
Callibrations (")	(1x7) ³ / ₁₆ , ¹ / ₄ , ⁵ / ₁₆ , ³ / ₈ , ⁷ / ₁₆ , ¹ / ₂ , ⁹ / ₁₆ , ⁵ / ₈ (1x19) ¹ / ₂ , ⁹ / ₁₆ , ⁵ / ₈ , ¹¹ / ₁₆ , ³ / ₄ , ¹³ / ₁₆ , ⁷ / ₈ , 1	1 only, for test rod. Specify wire sizes
Tension capacities (kN/kg)	45 /4500	
Wire sizes mm (")	4.75 to 25.4 (3/16 to 1)	
Accuracy	+ 3% instrument capacity (calibrated to specific wire size and type)	
Communication	Bluetooth®	
Display	Dot-graphic LCD display supports full text and 25mm high digits	
Data Export	Via mobile app	
Sheave range	One Sheave, two positions	
Wire calibrations	Up to 20	
Environment protection	Suitable for continued outdoor use	
Operating range °C	-20 to 70	
Tension units of measure	Pound-force, Kilogram force, Newtons	
Resolution	Configurable low/med/high (5000 resolutions)	
Size (mm)	220 x 610 x 90	
Weight (kg)	5	
Recalibration	Every 12 months. More frequently with heavy use	

App Store

Google Play



WHEN SETTING UP YOUR NEXT STRINGING PROJECT

CONSIDER YOUR EPZ - (Equipotential Zone)

Establishing an effective Equipotential zone when setting up your stringing project is crucial for the electrical safety of your staff.

Measures to consider, but are not restricted to:

Equipotential Earth Mats - Ensures the ground surface in and around the stringing machine, including the operators are protected from differences in electrical potential during energized and de-energised work.

Portable Earth Devices (PED's) - When attached to the conductors or apparatus on a portion of the electrical network, provides enough time, usually milliseconds to carry fault current long enough for a circuit breaker of fuse to interrupt, should the line become energised.

Rolling or Stringing Earths - As with the PED's, the stringing Earth provides the same protection on a moving conductor during the stringing process

Equipotential Earth Mats - Kri-Tech

The Kri-Tech Bond Mat System is designed and high voltage tested to protect workers who come in contact or have the potential for electrical contact.



PEDs - Portable Earthing Devices - Fixed & Rolling/Stringing Earths

Commonly known as "Earth-sets, Earth-sticks, Earthing Devices, Rolling or Stringing Earths, Portable Earthing Devices or PED's". These devices attach temporarily to de-energised conductors or contact points and a known earth.



Portable Earth Device (PED)



Rolling or Stringing Earth

Refer Transmission Stringing Section for details on this and other stringing equipment