



Suparule Digital Cable Height Meter

Part No. S600E

The Suparule Digital Cable Height Meter is a handheld meter for the measurement of cable sag, cable height distance, and over-head clearance of conductors.

The Meter utilises ultrasonic signals to determine the height of overhead cables up to 23m.

Used in a number of industries, the Cable Height Meter can measure up to 6 wires.

It also provides a safer and more convenient method to measure cable heights.

Switching to 'CAL' mode also allows the instrument to be used indoors.

How the S600E works

The Cable Height Meter emits short bursts of sound which originates from the cone-shaped transmitter. The microprocessor in the instruments calculates the elapsed time for the bursts of sound to be reflected from the cable back to the instrument. The result can be displayed in either metric or imperial format.

To account for the fact that speed of sound varies with temperature, a temperature sensor, mounted at the front of the instruments, senses the actual air temperature, and automatically compensates.



Applications include:

- Residential & Business
- Distribution lines
- Transmission lines
- Telephone lines
- Cable television
- Street lighting
- Powerline SAG (lowest point to ground)
- Powerline clearances on construction sites

Features and Benefits

- Quick Measurement - Saves time and money
- Inherently safe - No physical connection to cables or wires required to obtain measurement
- Extremely Accurate - Measures to accuracy of 0.5%
- Ease-of-use - Simple, three button operation ensures fast, effective measurements with a minimum of operator training
- Compact size - Its light-weight and hand-held portability allows easy transport and multiple measurements
- Maintenance-free - Proven reliability in the field, no adjustments required
- Warranty - 2 year



Ordering Information

Part No	Description
S600E	Cable Height Meter - Suparule - 6 Wires - Up to 23m Includes: Leather Protective Case & 9V Battery

Specifications

Range (25mm cable min)	3-23m
Range (12mm cable min)	3-15m
Range (5.5mm cable min)	3-12m
Range (2.5mm cable min)	3-10m
No. wires measured	6
Accuracy	0.5% ± 2 digits
Resolution (range <10m)	5mm
Resolution (range >10m)	10mm
Min. gap between wires	150mm
Operating Temp Range	-100C to 400C
Battery Life (measures)	50,000 measurements
Dimensions	205(H) x 100(W) x 70(D)mm
Weight	0.5kg

See over for Detailed Diagram and Performance



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Operation

The Cable Height Meter is capable of measuring up to six cables (provided they are within range). This is accomplished by standing directly beneath the cable and aligning longitudinally (looking down the line). Simply press the "ON" button to power up the instrument, and allow the temperature to stabilize. Press the 'MEASURE' button and, if necessary, gently "rock and tilt" the instrument until a stable reading is obtained.



Performance

