

# BS33

## Cable Length Meter



Designed for electrical contractors, utilities & cable distributors to measure cable length in a ease way

**In Standard mode**, BS33 can quickly measure length of any reeled wire up cable of **Copper (Cu) or Aluminum (Al)** up to 30,000m (100,000ft) with the gauges from 0.15mm<sup>2</sup> to 240mm<sup>2</sup>. Length of the cable can be digitally displayed without the cumbersome unrolling of cable reels within a few seconds. Built in automatic temperature compensation for changes in ambient temperature to ensure accuracy of measurement. The BS33 can also be used as a precision milliohm meter to measure the cable resistance. .

**In User Select mode**, BS33 allows users to save up to 8 sets resistance of an unknown gauges wires (Optimise for cables gauge up to 4mm<sup>2</sup>); hence to provide reading of the cable length.

**BS33** can widely apply to the industry for electrical contractors, utilities and cable distributors to control trading & inventories of cable/wire, factory incoming checking, daily operation consumption measure...etc.

**Features:**

- 4 digits display with enunciators.
- Measures in FEET (ft) or METERS (m).
- Direct readout for both COPPER (Cu) or ALUMINUM (Al) wire.
- Standard Mode, wire gauge range from 0.15mm<sup>2</sup> to 240mm<sup>2</sup>
- Automatic temperature compensation for changes in ambient temperature to ensure accuracy of measurement (Standard Mode).
- User Select Mode with 8 memory locations (Optimise for cables gauge up to 4mm<sup>2</sup> )
- Resistance range for milliohm measurements.
- User calibration mode, Calibration standard included.
- Sleep mode
- Easy-to-use
- Low battery indicator.
- High precision gold plated very low contact resistance Kelvin Clip test lead set included

**Accessories**

- Battery, 9V (BT1)
- Kelvin Clip test leads (KC1)
- Rubber Boot (Blue) (C1B)
- User's manual (English)

**Optional Accessories**

- Soft Carrying Case (S1C)

**Standards**

CE-mark

UL 1244

EN 61010-1

CSA C22.2 No.231

EMC Directive



## GENERAL SPECIFICATIONS

Measurement Range	:	0.1 to 30,000m (100,000ft)
Cross Section Ranges	:	Standard Mode: 0.15 mm <sup>2</sup> to 240mm <sup>2</sup> User Select Mode: 0.15 mm <sup>2</sup> to 4.0mm <sup>2</sup>
Basic Accuracy	:	±(1% of reading + 1m or 3ft) < 100m or 300ft at 18 °C to 23°C ±(1% of reading) > 100m or 300ft at 18 °C to 23°C ±(2% of reading + 1m or 3ft) < 100m or 300ft below 18 °C and above 23°C ±(2% of reading) > 100m or 300ft below 18 °C and above 23°C
Resistance Range	:	0 to 10Ω: ±(0.5% of reading + 3LSD) 10 to 99.99Ω: ±(0.5% of reading + 10LSD)
Resolution	:	0.1m or 0.5 feet (Length) 1mΩ (Resistance)
Operating Humidity	:	20% to 80% RH
Operating Temperature	:	0°C to 40°C
Weight	:	Approx. 587 g. (with holster)
Battery Type	:	Single standard 9 volt battery, NEDA 1604, 6F22, 006P
Sleep mode	:	After 15 minutes (Approx.)
Dimension	:	100 (W) x 203 (H) x 47 (D) mm. (with holster)