

Current Probe Model Z201A

The Z201A current probe is based on Hall Effect technology for use in measurement of both DC and AC current. The Z201A may be used in conjunction with multimeters, recorders and other suitable recording instruments for accurate non-intrusive current measurement.



Electrical Characteristics

Nominal Current I_n	: 20 A R_{MS}
Measuring Range.....	: 0 to ± 30 A
Output Sensitivity	: 100 mV / A
Overload Capacity	: 500A
Overall DC Accuracy.....	: $\pm 1\%$ of reading ± 2 mA
Resolution	: ± 1 mA
Typical Output Noise Level	: 200 μ V R_{MS}
Gain Variation	: $\pm 0.01\%$ of reading/ $^{\circ}$ C
Load Impedance	: > 10 k Ohms and ≤ 100 pF
Conductor Position Sensitivity.....	: $\pm 1\%$ relative to centre reading
Frequency Range	: DC to 20 kHz (- 0.5 dB)
di / dt following	: 20A / μ s
Response Time	: Better than 1 μ s
Temperature Coefficient.....	: $\pm 0.01\%$ of reading / $^{\circ}$ C
Power Supply	: 9 V Alkaline, MN1604/PP3
.....	: 30 Hours, low battery indicator
Working Voltage (see Safety Standards section).....	: 300 V AC R_{MS} or DC

General Characteristics

Maximum Conductor Size.....	: 19 mm diameter
Output Connection.....	: 4mm safety plugs
Output Zero	: Manual adjust via thumbwheel
Cable Length.....	: 1.5 meters
Operating Temperature Range	: 0 to +50 $^{\circ}$ C
Storage Temperature Range (with battery removed)	: -20 to +85 $^{\circ}$ C
Operating Humidity	: 15% to 85% (non condensing)
Weight	: 250 g

Safety Standards

BS EN 61010-1: 2001 BS EN 61010-2-032: 2002 BS EN 61010-031: 2002

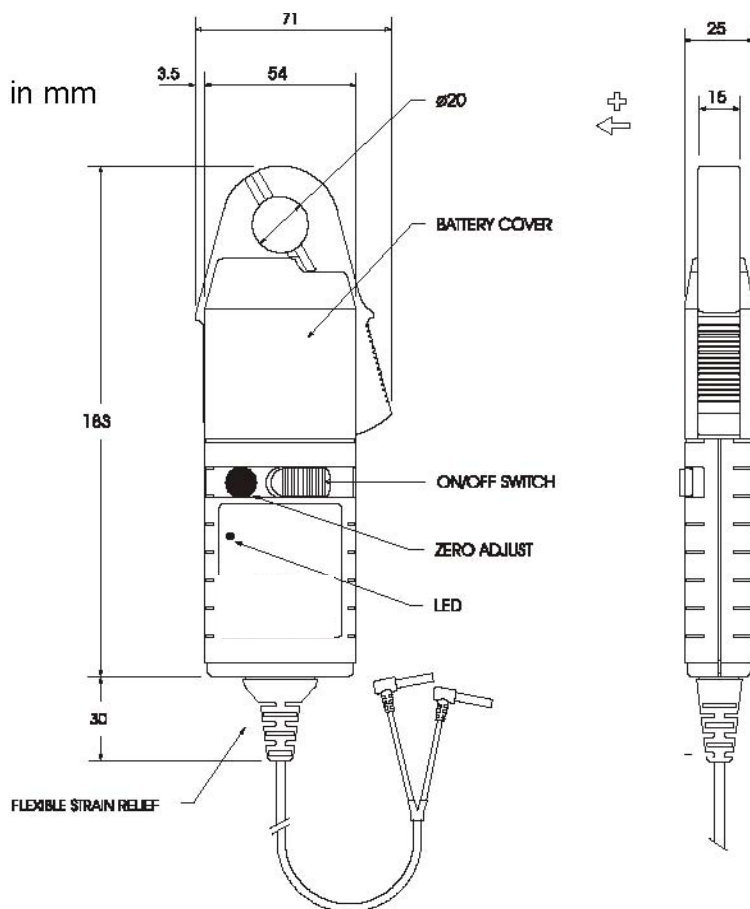
300 V_{RMS}, Category III, Pollution Degree 2

Use of the probe on **uninsulated conductors** is limited to 300 V AC_{RMS} or DC and frequencies below 1 kHz.

EMC Standards

EN61326 :1998 +A1, A2, & A3

Dimensions



Z201A - Specifications subject to change without notice