

SE-CUR-CLAMP-150-DC

CURRENT CLAMP



AC/DC CURRENT CLAMP, UP TO 150 A,
LED INDICATION FOR JAW STATUS



SPECIFICATIONS

Electrical characteristics	
Current range	300 A _{DC} or AC _{PEAK}
Continuous current measurement	150 A _{DC} or AC _{RMS}
Overload capability	500 A _{DC} (for 1 min)
Output sensitivity	20 mV/A (w.r.t. 0 V)
Accuracy (+25 °C)	±0.3 % of reading ±2 mA
Resolution	±1 mA
Error due to earth's magnetic field	±0.5 mV (±10 mA) typical
Conductor position sensitivity (6 mm, dia. conductor)	±0.5 % relative to centre reading
Zero offset (+25 °C)	±10 mV max.
Zero drift (0 C to +50 °C)	±1 mV/°C
Load impedance	>10 kΩ and ≤100 pF
Frequency range	DC to 100 kHz (-1 dB)
Temperature coefficient	±0.02 % of reading/°C
Jaws open status	0 V (Lo)
Jaws closed status	+15 V (Hi)
Power supply	±15 V ±10 %, external
External field rejection ratio	500:1
Current consumption	30 mA + 1 mA/A measured
Working voltage (see safety standards section)	300 V AC _{RMS} or DC

General characteristics	
Maximum conductor size	32 mm diameter
Relative zero correction	Auto zero at switch on
Jaws open indication	Red LED on front and back side of case
Output connection	2.9 m screen cable
Operating temperature range	0 to +60 °C
Storage temperature range	-20 to +85 °C
Operating humidity	15 % to 85 % (non condensing)