



DEWETRON

SE-CUR-CLAMP-1800-DC CURRENT CLAMP

AC/DC CURRENT CLAMP, UP TO 1800 A,
FOR COMPLEX WAVEFORM CURRENT.



SPECIFICATIONS

ELECTRICAL CHARACTERISTICS	
Current range	1800 A AC _{peak} or DC
Output sensitivity	1 mV/A (w.r.t. +2.5 V)
DC accuracy (0 - 1000 A) ¹⁾	±0.8 % of reading ±0.5 A
DC accuracy (1000 - 1500 A) ¹⁾	±1.8 % of reading ±0.5 A
Overall accuracy (0 - 1000 A) ²⁾	±2.5 % of reading ±0.5 A
Overall accuracy (1000 - 1500 A) ²⁾	±3.5 % of reading
Overall accuracy (1500 - 1800 A) ²⁾	±5.0 % of reading
Conductor position sensitivity (6 mm, dia. conductor)	< ±1.5 % relative to centre reading
Resolution	±200 mA
Load impedance	> 100 kΩ
Frequency range	DC to 20 kHz (-1 dB)
Power supply	±9 V ±5 %, external
Temperature coefficient	±0.15 % of reading/°C
Current consumption	25 mA max.
Remanence (IP ±1800 A to 0 A)	600 mA max., 250 mA typical
Working voltage (see safety standards section)	300 V AC _{RMS} or DC
¹⁾ Accuracy quoted is for conductor in centre of aperture ²⁾ Accuracy includes linearity and conductor position sensitivity using a 6 mm diameter cable Accuracy quoted at +25 °C	

GENERAL CHARACTERISTICS	
Maximum conductor size	32 mm diameter
Output connection	2.9 m screen cable, unterminated
Output zero	Auto zero via push button
Operating temperature range	0 to +50 °C
Storage temperature range	-25 to +85 °C