

Sefram

A1257

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3 PHASES AC flexible clamps 30A / 300A / 3000A AC

A 1257 is a 3-phase flexible current sensor. It consists of three current coils utilizing Rogowski measuring principle. High measuring accuracy is assured via three measuring ranges 30 A, 300 A and 3000 A AC.

Large sensor length will easy accommodate bus bars and power cables.

A1257 is powered either by mains or rechargeable batteries.



A1257

Technical Specifications

Ranges	30 A / 300 A / 3000 A AC RMS
Output signal	33.3 mV/A ; 3.33 mV/A ; 0.333 mV/A
Accuracy	± 1 %
Linearity	± 0,2% de 10% to 100 of the range
Phase error	< 1° at 50 Hz ; < 10° at 1.5 kHz
Noise	< 4mV AC rms for 30A range < 1mV AC rms for 300A and 3000A ranges
Positioning error	± 2 % of full scale
External fields error	± 1 % of full scale
External load impedance	10k ohms min
Bandwidth	10 Hz – 8 kHz
Power supply	Rechargeable batteries. 12 V DC/300 mA input
Autonomy	> 120 h after a complete charge

General Characteristics

Number of current sensors	3
Sensor length (sensor to case)	48 cm
Ø of sensor cable	14 mm
Ø Max of measured conductor	15 cm
Operating temperature	Sensor : - 20°C to + 85°C Case : - 20°C to + 70°C
Storage temperature	Sensor : - 20°C to + 85°C Case : - 20°C to + 70°C
Relative humidity	15 % à 85 %, without condensing
Protection level (IP)	Sensor : IP 64 ; Case : IP 40
CEI1010 / Safety	CAT III / 1000 V
Dimensions et weight	Case : 120 x 65 x 22 mm ; 220 g Sensor : Ø = 15 cm ; 130 g
Warranty	1 year

Supplied with : rechargeable batteries, mains adaptor, bananas adaptors



FT A1257 A00- Specifications can be updated without notice



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For assistance and ordering

