

AC/DC Clamp Milliammeter

AC/DC Leakage Current Measurements

Model 730 (CE)



730 Unit



CTP-30DC Sensor

FEATURES

- High sensitive for low range leakage current
- Suitable for measurement of 4-20mA DC controlled circuit
- DC mV analog signal output
- Lowest influence from Magnetization & Terrestrial magnetism
- Wide measuring ranges - up to DC 1000mA & AC10A
- Sleeping current measurements for automotive electronics circuit
- Jaw opening capability 30mm ϕ

SPECIFICATIONS

Safety standard	: IEC61010-1, IEC61010-2-032 CAT II 600V or CAT III 300V
Measuring function	: AC/DC leakage current
Measuring method	: Clamp type CT
Jaw opening capability	: 30mm ϕ
Measuring ranges	: DC 100mA/1000mA, AC 100mA/1000mA/10A (45Hz-65Hz)
Measuring method	: Dual slope integration mode
AC conversion	: Average sensing rms reading

Display	: Max. 2000 count on LCD with annunciators
Over range indication	: "OL" mark on LCD
Data hold indication	: "DH" mark on LCD
Zero adjustment	: For DC current range by "0 ADJ" switch
Sampling rate	: 1 time/sec. for DC and 6 times/sec. for AC
Low battery indication	: "Battery" mark on LCD
Analog signal output	: DC 100mV full scale to each range (Output impedance: less than 10k Ω)
Limitation of circuit voltage	: Less than AC/DC 500V
Operating temperature	: 0~50°C, < 85%RH (without condensation)
Storage temperature	: -10~60°C, < 70%RH (without condensation)
Withstanding voltage	: AC 3700V/1 minute between CT and outer case
Auto power off	: Approx. 10 minutes after last switch operation (Auto power off function can be released by the switch)
Power supply	: LR6,AM-3 or AA size battery \times 4
Current consumption	: Approx. 9mA (approx. 200 hours continuous)
Dimension	: Main unit 78(W) \times 155(H) \times 32(D)mm, approx. 280g CT (CTP-30DC) 33(W) \times 170(H) \times 24(D)mm, 1.2m lead Approx. 165g
Accessories	: Carrying case, Batteries, Instruction manual
Option	: Cable for recorder

Accuracy (23°C \pm 5°C, less than 85%RH)

DC Current

Range	Measuring Range	Resolution	Accuracy
100mA	0.1 ~ \pm 99.99mA	0.01mA	\pm 1%rdg \pm 10dgt
1000mA	1 ~ \pm 300mA	0.1mA	\pm 1%rdg \pm 10dgt
	\pm 300.1 ~ \pm 700mA		\pm 2%rdg \pm 10dgt
	\pm 700.1 ~ \pm 999.9mA		\pm 3%rdg \pm 10dgt

- ※ Influence of terrestrial magnetism : Less than \pm 2.0mA
- ※ Influence of magnetization : Less than \pm 2.0mA by DC 1.5A on/off
- ※ Influence of CT opening and closing: Less than \pm 1.0mA
- ※ Max. input current : DC 1.5A

AC Current

Range	Measuring Range	Resolution	Accuracy
100mA	0~99.99mA	0.01mA	\pm 2%rdg \pm 10dgt(50/60Hz)
1000mA	0~999.9mA	0.1mA	\pm 2%rdg \pm 10dgt(50/60Hz)
10A	0~9.999A	0.001A	\pm 1%rdg \pm 10dgt(50/60Hz)

- ※ Max. input current : AC 20A