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)
A/D conversion	: Dual slope integration method
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 10kΩ)
Limitation of circuit voltage	: Less than AC/DC 500V
Operating temperature	: 0～50℃, < 85%RH (without condensation)
Storage temperature	: -10～60℃, < 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×4
Current consumption	: Approx. 9mA (approx. 200 hours continuous)
Dimension	: Main unit 78(W)×155(H)×32(D)mm, approx. 280g CT (CTP-30DC) 33(W)×170(H)×24(D)mm,1.2m lead Approx. 165g
Accessories	: Carrying case, Batteries, Instruction manual
Option	: Cable for recorder

Accuracy (23℃±5℃, less than 85%RH)

DC Current

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

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

AC Current

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

※ Max. input current : AC 20A