

PRECISE AC/DC LEAKAGE CURRENT TESTER

Model 740

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 & AC 10A*



M-740



CTP-40DC

SPECIFICATIONS

Safety Standard	: IEC61010-1/61010-2-032 CAT II 600V or CAT III 300V
Measuring function	: AC/DC current
Measuring method	: Clamp CT Type
Jaw opening capability	: 40mm ϕ
Measuring ranges	: DC 100mA/1000mA, AC 100mA/1000mA/10A (45Hz~65Hz)
AC current detection	: Average sensing
A/D conversion	: Dual integration method
Display	: Max. 2000 count on LCD with annunciator
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	: "B" mark on LCD
Signal Output	: DC 100mV full scale to each range (output impedance: less than 10K Ω)
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 power on and can absolve this function by switch
Power supply	: UM-4 \times 4
Consumption Current	: Approx. 9mA (approx. 200h for continuous use)
Dimension	: Display Part 78(W) \times 155(H) \times 32(D)mm, approx. 280g CT (CTP-40DC) 69(W) \times 175(H) \times 24(D)mm, approx. 180g
Accessories	: Soft 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~ \pm 700mA		\pm 2%rdg \pm 10dgt
	\pm 700~ \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

※ Max Input Current : DC 1.5A

AC Current

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

※ Max Input Current : AC 20A