

Measuring Range and Accuracy

Range	Measuring Range	Accuracy
400mA	0 ~ 399.9mA	± 2.0% rdg ± 4 dgt (50/60Hz) ± 3.0% rdg ± 5 dgt (40 ~ 400Hz)
4A	0 ~ 3.999A	
100A	0 ~ 100.0A	

When measuring current which pulse element is superposed, differences of the indicated value may be caused between ranges, if the peak value exceeds the measurement range to a large extent. In this case, the reading at the bigger range should be taken as a right value.

Sensitive transformer jaws are used for leakage clamp meter. Because of the characteristics of transformer jaws, which can be opened and closed, it is impossible to eliminate the interference of external magnetic field completely. If there are something, which generating large magnetic field, at a nearby site, current value can be displayed ("0" cannot be displayed.) before clamping on the conductor. For such a case, please use the instrument at a location far from the thing, which generating magnetic field.

Following are typical things generating magnetic field.

Conductor fed large current, Motor, Equipment which has magnet, Integrating wattmeter

Measuring Method:	Dual Integration
Display:	Liquid crystal display (maximum count: 3999)
Low Battery Warning:	"BAT" is shown on display
Over-range Indication:	"OL" is shown on the display when upper limit of measuring range is exceeded
Response Time:	Approx 2 seconds
Sample Rate:	About 2.5 times per second
Temperature and Humidity for Guaranteed Accuracy:	23 ± 5°C, relative humidity up to 85% without condensation
Operating Temperature and Humidity:	0 ~ 40°C, relative humidity up to 85% without condensation
Storage Temperature and Humidity:	-20 ~ 60°C, relative humidity up to 85% without condensation
Power Source:	Two 1.5V R03 (UM-4) batteries
Current Consumption:	Approx. 4mA max
Sleep Function:	Automatically powered down in about 10 minutes after the last switch operation
Safety Standards:	IEC61010-1, IEC 61010-2-032 Over-voltage CAT III 300V, pollution degree 2 CAT II 600V, pollution degree 2 IEC61326 (EMC)
Overload Protection:	120A rms max. For 10 seconds
Withstand Voltage:	3700V rms (50/60Hz) for 1 minute between metal part of transformer jaws and housing case (except transformer jaw case)
Insulation Resistance:	10MΩ or greater at 1000V between metal part of transformer jaws and housing case (except transformer jaw case)
Conductor Size:	Approx. 28mm diameter max
Dimensions:	169 (L) x 75 (W) x 40 (D) mm
Weight:	Approx. 220g (including batteries)
Accessories:	Two R03 (UM-4) batteries Carrying case Model 9052 Instruction manual
Optional Accessories:	Multi-Tran Model 8004 and 8008