EKO INSTRUMENTS CO., LTD.

MP-160

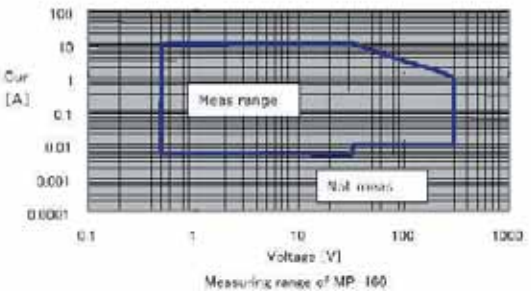
I-V Curve

I-V Curve Tracer

EKO I-V Curve Tracer MP-160 measure the I-V curve characteristics of various photovoltaic (PV) devices. MP-160 can be used for wide range measurement purpose. PV cell measurement under solar simulator, PV module measurement under sunlight and other kind of measurements can be performed by MP-160.
MP-160 also suit for the measurement of large caliber cell, chemical compound cell and dye sensitized cell, which requires accurate measurement.
Addition to that, MP-160 can be connected up to 4 module selectors optionally. Each selector can be connected up to 12 PV modules, so MP-160 can be connected up to selectable 48 PV modules.

Specifications

MP-160	
Measuring method	Electronic load method
Measuring Range	Voltage : 300, 30 , 3 [V]
	Current : 10, 3, 0.3 , 0.03 [A]
Inputs	PV Device (four-terminal method) x 1
	T-type thermocouple x 2
	Pyranometer or Reference Cell x 1
Sweep Data	256 Sets of Voltage, Current and Light Intensity
	60 data is required to analyze at the minimum
Sweep Time	2 to 330 sec.
A/D Converter	16 bit
Communication	RS-232C, 38400 Kbps
Power requirements	AC100 to 240V, 50/60Hz, Stand-by 20VA, Max. 200VA
Dimensions, Weight	370 x 350 x 133 mm, 9 kg



Measuring range of MP-160

Take the above measurement range as a guide since it depends on measurement conditions.

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