



# 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 size 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-wire method) x 1 T-type thermocouple x 2 Pyranometer or Reference Cell x 1
Sweep Data	256 Sets of Voltage, Current and Light Intensity
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

## IV and PV curve

