Model 1010A Power Calibrator



Model 1010A is a power calibrator which compares a target power meter with a calibrated power meter. The system consists of a Current Transformer and a Voltage Transformer. It can calibrate power meters, for example, comparing a target power meter in the range of 0.05mW to 666.666W with a reference power meter calibrated at 100 V, 5 A.

Features

- Wide range of power values can be calibrated as power range is extended with one calibrated point.
- Power Meter of 200 V (Max. 250 V) Input can be calibrated. In this case (power comparison calibration), power range is max. 1.25 kW. (Ref. Power Meter Calibration Example in Sec.3.2.)
- Up to 100 A input power meters can be connected changing a current transformer. Max. 25 kW power comparison calibration is available. (Ref. Power Meter Calibration Example in Sec.3.3.)
- Transformer outputs voltage with 1 ppm resolution in respect to input voltage.
- Current transformer outputs current with 1 % resolution within 0 % to 120 % of input current.

Specifications

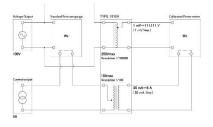
Item/Model	TYPE 1010A
Power Comparison Range	0.05 mW to 666.666 W ((In case of Rated Input 100 V, 5A) {1 mV×50 mA to 111.111 V×6 A}
Power Comparison Accuracy	60 ppm(power factor 1)
Frequency Range	50/60 Hz
Power Supply	100 Vac(50 Hz and 60 Hz)
Size (WxDxH)	530×365×520
Application	approx. 25 kg

• Specifications are subject to change without notice due to improvement

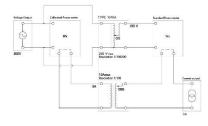
SunJEM will design products to meet your individual requirements. Please feel free to consult with us for products other than ready-made ones.

Application

 In case extending power range (0.05mW to 666.666W) using a standard power meter



 In case calibrating a power meter with an input voltage of 200 V



In case calibrating a power meter with an input current over 5A (extended power range: from 0.01W to 11.1111kW)

