

GDZX-79F Standard Resistance Box



GDZX-79F Standard Resistance Box for Megger is 1 million MΩ rotary resistor, designed to calibrate megger, with the features of wide adjustment range, easy to use.

Features

- It is used to calibrate various insulation resistance meters of 5000V (rated voltage) and below.
- It is used to scale plate for various insulation resistance meters under production and repair.
- It is used for calibration/check of megger.
- It is standard resistance box of medium/high resistance.

Specifications

- This resistor is composed of two parts:

First part: 9pcs decimal electrical resistance panels in series, that is, $11 \times 10 \text{KM}\Omega + 10 \times (1000\text{M} + 100\text{M} + 10\text{M} + 1\text{M} + 100\text{K} + 10\text{K} + 1\text{K} + 100)\Omega$

Second part: 9pcs 100KMΩ fixed resistor in series.

If two parts are in series, resistance range is up to 1021111.1110MΩ, min. step value is 100Ω.

- Max. Voltage/current (referential voltage/current) and class of every decimal electrical resistance panel is shown below:

Resistance(MΩ)	>110K	×10K	×1K	×100	×10	×1	×0.1	×0.01	×0.001	×0.0001
Class	10	5	2	1	0.2	0.2	0.2	0.2	0.2	0.2
Max. Voltage /current	5000V	5000 V	5000 V	5000 V	2500V	2500V	500 V	8mA	20mA	50mA

- Residual resistance <0.1Ω, variation <0.01Ω
- Referential ambient temperature is 23°C, relative humidity 40%~60%; nominal operation temperature is 23±5°C, relative humidity 25%~75%
- The insulation resistance between line and the enclosure >1×10¹²Ω
- The withstand voltage (AC sine wave, 50Hz) between line and the enclosure is 8kV for 1 minutes.
- Dimension: 602*323*210mm
- Weight: <15kg