



RESISTANCE TRANSFER STANDARD

- High Stability
- 1 MΩ & 10 MΩ/Step
- Matched to <10 ppm
- Low Temperature Coefficient
- Eliminates Oil/Air Bath Requirement

MODEL 9316 & 9317



MODEL 9316/9317 RESISTANCE TRANSFER STANDARD

The model 9316/9317 Resistor transfer standards consists of 11 equal steps of 1 MΩ, (9316) and 10 MΩ, (9317). Specially designed toggle switches isolate each resistor and allows the standard to be configured in series, parallel, series-parallel, or separately without the use of external shorting bars.

Precise transfer measurements up to 110 MΩ relative to a single 100 kΩ resistance standard can be obtained with the MI 9317/9317 Resistance Transfer Standards. Based on a unique method for establishing known ratios, the 9316/9317 utilizes a transfer technique that consists of switching resistance elements in series, parallel or series-parallel selections.

Insulation leakage paths (other than those within each resistance section) are from the external terminals to ground. By utilising three-terminal measurement techniques insulation leakage errors in the transfer of calibration from one resistance level to another are minimized.





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Specifications: Rev 3

Model	9316	9317
Initial Accuracy	±25 ppm	±30 ppm
Short Term Stability*	±2 ppm	±2 ppm
1 Year Stability	±30 ppm	±35 ppm
2 Year Stability	±50 ppm	±50 ppm
Temperature Coefficient	≤ ±5 ppm/°C	≤ ±5 ppm/°C
Leakage Resistance: Terminal to Case	>10 ¹³	>10 ¹³
Power Rating	1W/Step (2.5kV max)	1W/Step (2.5kV max)
Breakdown Voltage	5 kV	5 kV

*Limited to 48 Hours values repeatability at 23°C ±0.05°C

Dimensions (L x W x H):
457 X 152 X 173 (mm)

Weight:
4.5 Kg

Shipping Weight:
9 kg

Main Power:
N/A

Corporate Headquarters

Measurements International

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