



9313A MULTIPLE VALUE DC CURRENT SHUNT



Featuring

- ▶ 5 Current Ranges
- ▶ 5mΩ to 1Ω
- ▶ Accuracy's to <0.02%
- ▶ Improved TC
- ▶ Rack or Bench top Use

Overview

The Model 9313A Multiple Value DC Current Shunt is the latest development from Measurements International's series of DC resistors and shunts. After many years of research in low value resistance materials, the Model 9313A ensures that you get the best performance on the market today. Combined with MI's experience in automated measurements at high current levels, accuracies approaching ,0.02% can be achieved at full power from 5mΩ to 1Ω.

The process selected in treating the element ensures the best performance without introducing self-heating errors with improved temperature coefficients.

The elements are supported on an insulating base for mechanical stability and enclosed in a vented fan cooled enclosure for proper cooling.

Special consideration has been given to the process of curing the elements and reducing the overall temperature coefficient. Optimum surface area dissipates the maximum specified power. The Model 9313A may be used as a Current Shunt or as a set of Standard Resistors for calibrating medium current, low resistance milli ohm meters. The Model 9313A is used in an air environment.

Feature	Benefit
5 Current Ranges	Eliminates the need for multiple shunts
Simple Connections	Easier to manage
Fan Cooled Case	Better temperature dissipation
Excellent Accuracy	< 200 ppm
Improved TC < 3ppm/°C	Less time waiting for stabilization



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Specifications: Rev 1

Selected Resistance	Max Current	Nominal Current	Accuracy
1 Ω	0.1	600	± 0.02%
500 mΩ	0.1	600	± 0.02%
200 mΩ	0.1	600	± 0.02%
20 mΩ	0.1	300	± 0.02%
5 mΩ	0.1	300	± 0.02%
Accuracy		Calibrated at 23°C - Traceable to NRC and NIST	
Stability		1 Year - 50 ppm	
Temp Coefficient		< 3 ppm/°C	
Power Coefficient		< 4 ppm/watt in Air	
Operating		18 to 34°C, 10 to 80% RH	
Warranty		1 Year Parts & Labor	

Dimensions (W × D × H):
480 × 220 × 300 (mm)

Weight:
9 kg

Shipping Weight:
11.5 kg

Operating Power:

100,120,220,240V AC @ 50 or 60Hz

Power 15 VA

How to Order:

Model 9313A

Multiple Value DC Current Shunt

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