



MOD 9S10B

Voltage indicator - 4.5 Digits
Scaleable digital 0-100mV

The MOD-9S10B is an advanced, low cost resistance meter, with direct readout in ohms or engineering units. Four resistance range are: 19.999Ω, 1.9999KΩ, 19.999 KΩ. It is complete with current excitation. All meters are shipped fully scaled and calibrated in factory. Scaling and calibrating the 9S10B is very easy accessible using the rear panel trimmer. Using 4-wire connection the meter measures true voltage drop across the resistance under test eliminating any effect of lead resistance.

Technical Data

±1999 (4½) count four scale
Display type : 4 1/2 - digit, 0.56" (14.2mm) high
Open circuit voltage 15VDC @ Supply voltage 230VAC / 110VAC
Open circuit voltage 10VDC @ Supply voltage 24VAC / 110VAC
Low power requirement
Wide range power supply option
Input voltage protection
Connections: Silver ally. Terminal shrouded to prevent human contact, 4 mm²
Accuracy: ± 0.1% of F.S reading ± 1 count accuracies are specified at 25°C
Power consumption: 2.3 VA
Stability w/Temp ±50ppm/°C

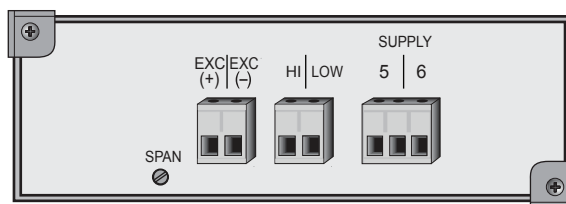
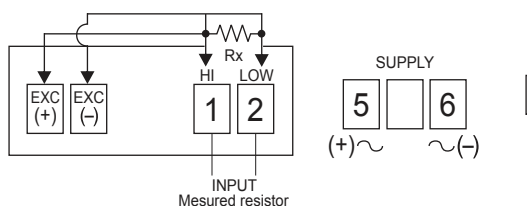
Ambient conditions

Operation temperature -20°C ... +55°C
Storage temperature -25°C ... +70°C
Transport temperature -25°C ... +70°C
Relative humidity acc IEC 68-2-6 15% ... 85%
Vibration resistance 10 to 55 Hz (according to IEC 68-2-6)
Weight: 345 gr

General specifications

Conform to standards
IEC 1812-1, EN 50081-1/2, EN 50082-1/2
CE marking EMC (89/336/EEC, IEC 669-2-3.
Installation category acc IEC 664-1 Voltage surge
Creepage distance / clearance acc IEC 664-1 4kv / 3
Electromagnetic compatibility Level III
Immunity to electrostatic discharge
Acc to IEC 1000-42 Air 8KV
Immunity to electrostatic fields
Acc IEC 1000-4-3 Level III 10V/m
Immunity to rapid transient burst
Acc IEC 1000-4-4 Level III
Coupling clamp 1kv)
Immunity to shock waves on
Power supply acc IEC 1000-4-5 Level III
Immunity to radiofrequency in
Common mode acc ENV Level III (10V rms)
Immunity to voltage dips / breaks
Acc IEC 1000-4-11 30% / 10ms
60% / 100ms
Mains-borne and radiated emissions
Acc EN 55022 (EN 55011 Group 1) Class B

Back panel connection



Ambient conditions

Range	1999.9Ω	1.9999KΩ	199.999KΩ	199.99KΩ
Resolution	10mΩ	0.1Ω	1Ω	10Ω
Excitation current	10mA	1mA	100µA	10µA

Mechanical

Self-extinguishing plastic housing, IP40 acc IEC 529
Mounted: front panel
IP rating: IP20 acc IEC 529
Terminal block: 4mm² 12AWG 250VAC
Box measures: 96x48 mm

Ordering information

MOD-9S10B - R - V

Range:	1 19.99Ω	230VAC
	2 199.9Ω	120VAC
	3 1999Ω	110VAC
	4 19.99KΩ	48VDC
		24VDC
		24VAC
		12VDC

Dimensions

