



Technical specifications PRM4

Rated supply voltage:	U=230V +/-10%, F=50Hz		
Power consumption:	max. 35W		
Main fuses:	2x 0,25A time lag 5x20mm (power entry filter module back side)		
Inputs, outputs test object front side:	1x DIN connector 6-pole 2x 4mm terminal measurement current 2x 4mm terminal measurement voltage		
Inputs, outputs test object back side:	1x DIN connector 6-pole 2x 4mm terminal measurement current 2x 4mm terminal measurement voltage		
Display resistance measurement	4 ¹ / ₂ digit (5 digit), counter max. 24000		
Measurement range / current / resolution:	20mΩ	2/1A dc	1μΩ
	200mΩ	2/1A dc	10μΩ
	2Ω	1/0,2A dc	100μΩ
	20Ω	200mA dc	1mΩ
	200Ω	20mA dc	10mΩ
	2kΩ	2mA dc	100mΩ
	2kΩ reverse	-2mA dc	-100mΩ
	20kΩ	200μA dc	1Ω
	200kΩ	20μA dc	10Ω
Basic accuracy resistance measurement:	+/-0,05% (typ. +/-0,025%), +/- 3 digit, otherwise:		
Measurement range 20mΩ @ 2A dc:	+/-0,10%, +/- 3 digit		
Measurement range 20mΩ @ 1A dc:	+/-0,20%, +/- 3 digit		
Measurement range 200mΩ @ 1A dc:	+/-0,10%, +/- 3 digit		
Measurement range 2Ω @ 0,2A dc:	+/-0,20%, +/- 3 digit		
Temperature drift:	max. +/-100ppm / K		
Input, PT100 temperature sensor:	1x DIN connector 4-pole		
measurement current PT100 temperature:	1mA dc		
Display temperatur measurement:	3 digit, counter max. 500		
Measurement range / current / resolution:	-9.9°C ... +50.0°C	1mA dc	0,1°C
Basic accuracy temperature measurement:	+/-0,1°C, +/- 2 Digit		
Reference temperature compensation:	0,0°C ... +40.0° C		
Temperature coefficient temp. compensation:	0,000001 ... 0,01		
Interface, RS232:	1x sub d connector 9-pole, 9600 baud, 1 start bit, 8 data bits, 1 stop bit, no parity, no handshake		
Interface, USB: (USB-Serial-Converter)	1x USB-B connector, 9600 baud, 1 start bit, 8 data bits, 1 stop bit, no parity, no handshake		
Protection class / protection type:	protection class I (grounded) / IP40		
Operation temperature range:	+5°C ... +40°C, max. 1 500m over SL		
Humidity:	5...95%, non-condensing		
Dimensions:	width=482mm (19-inch), height=44,1mm (1HU(19-inch)), depth=395mm		
Weight:	approximate 2,9kg		