

Characteristic Values

Measuring Function	Measuring Range	Resolution at Upper Range Limit $4\frac{3}{4}$ 30000 / $3\frac{3}{4}$ 3000 ¹⁾	Open-Circuit Voltage, Approx.		Meas. Current, Approx.	
			4 ... 6 V			
mΩ (4 L)	30 mΩ	0.01 mΩ	4 ... 6 V		100 mA	
	300 mΩ	0.01 mΩ			100 mA	
	3 Ω	0.1 mΩ			10 mA	
	30 Ω	1 mΩ			10 mA	

1) Display

$4\frac{3}{4}$ -place in the 300 mΩ, 3 Ω and 30 Ω ranges

$3\frac{3}{4}$ -place in the 30 mΩ range

A different sampling rate and can also be selected in the rAtE menu for saving and transmitting measured values.

Measuring Function	Intrinsic Error at Max. Resolution under Reference Conditions $\pm(\% \text{ rdg.} + \dots \text{ d})$		Overload Capacity ⁴⁾	
	Value	Time	Value	Time
mΩ (4 L)	30 mΩ	2 + 20	$\pm 0.6 \text{ V}$ 3)	Continuous
	300 mΩ	1 + 20 ⁴⁾		
	3 Ω	1 + 10		
	30 Ω	1 + 10		

2) At 0 ° ... + 40 °C

3) The integrated 500 mA / 600 V~ fuse blows in the event of overloading (terminals I+, I-).

4) Valid as of 10% of measuring range

Key

rdg. = reading (measured value), d = digit(s), 4 L = 4-wire measurement

Influencing Quantities and Influence Error

Influencing Quantity	Sphere of Influence	Measuring Range ¹⁾	Influence Error $\pm (\dots \% \text{ rdg.} + \text{d})/10 \text{ K}$
Temperature	0 ... +21 °C and +25 ... +40 °C	mΩ, Ω	1 + 10

1) With zero balancing