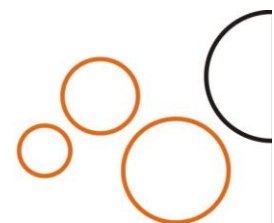


TECHNICAL DETAILS – testo 770-3

Temperature - TC Type K (NiCr-Ni)	
Measuring range	-20 to +500 °C
Accuracy	±1 °C (0 to +100 °C)
Resolution	0.2 °C
DC voltage	
Measuring range	1.0 to 600.0 V
Resolution	max. 1 mV
Accuracy	± (0.8 % of mv + 3 Digit)
AC voltage	
Measuring range	1.0 mV to 600.0 V
Resolution	max. 1 mV
Accuracy	± (1 % of mv + 3 Digit)
DC current	
Measuring range	0.1 to 600.0 A (clamp) 0.1 to 600.0 µA (measuring cables)



DC current	
Resolution	0.1 (clamp) 0.1 (measuring cables)
Accuracy	$\pm (2 \% \text{ of mv} + 5 \text{ Digit})$ (clamp) $\pm (2 \% \text{ of mv} + 5 \text{ Digit})$ (measuring cables)
AC current	
Measuring range	0.1 to 600.0 A (clamp) 0.1 to 600.0 μ A (measuring cables)
Resolution	0.1 A (clamp) 0.1 μ A (measuring cables)
Accuracy	$\pm (2 \% \text{ of mv} + 5 \text{ Digit})$ (clamp) $\pm (1.5 \% \text{ of mv} + 5 \text{ Digit})$ (measuring cables)
Resistance	
Resolution	max. 0.01 Ohm
Measuring range	0.01 to 60.0 MOhm
Accuracy	$\pm (1.5 \% \text{ of mv} + 3 \text{ Digit})$
Capacitance	
Resolution	max. 0.01 nF



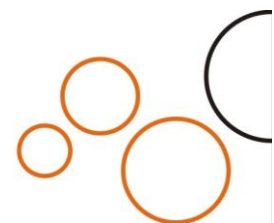
Capacitance	
Measuring range	2 nF to 60.00 mF
Accuracy	$\pm (1.5 \% \text{ of mv} + 5 \text{ Digit})$
Frequency	
Resolution	max. 0.1 Hz
Measuring range	0.01 Hz to 9999 kHz
Accuracy	$\pm (1 \% \text{ of mv} + 1 \text{ Digit})$
Active Power	
Measuring range	0.1 W to 600 kW
Accuracy	$\pm (5 \% \text{ of mv} + 5 \text{ Digit})$
Resolution	0.1 W
Reactive Power	
Measuring range	0.1 to 600.0 kvar
Accuracy	$\pm (10 \% \text{ of mv} + 5 \text{ Digit})$
Resolution	0.1 var



Apparent Power	
Measuring range	0.1 VA to 600.0 kVA
Accuracy	± 1 Digit
Resolution	0.1 VA
Direct current DC Voltage	
Measuring range	0.1 W to 600.0 kW
Accuracy	± 1 Digit
Resolution	max. 0.1 W
Power Factor	
Measuring range	-1.00 to +1.00
Accuracy	± (10 % of mv + 5 Digit)
Resolution	0.01
General technical data	
Operating humidity	0 to 80.0 %RH
Weight	378 g



General technical data	
Dimensions	249 x 96 x 43 mm
Operating temperature	-10 to +50 °C
Connectable probes	1 x temperature probe (adapter required for type K thermocouples)
System requirements	requires iOS 8.3 or newer; requires Android 4.3 or newer; requires mobile end device with Bluetooth 4.0
Product colour	Black
Standards	EN 61326-1; EN 61010-2-032; EN 61140
Battery type	3 AAA micro batteries
Display type	LCD
Display size	2 lines
Interface	2 measuring jacks
Storage temperature	-15 to +60 °C
Overtoltage Category	CAT IV 600V; CAT III 1000V
Authorizations	CSA; CE
Internal_resistance	11 MOhm (AC / DC)



Instrument Measurement Functions	
Diode test	yes
Continuity testing	yes
Display lighting	yes
Hold	yes
MinMax	yes
Power Measurement	yes
Temperature measurement with adapter	yes
True RMS	yes
Inrush current measurement	yes
Bluetooth	yes
Display (counts)	6,000
µA current measuring range	yes
Autom. Measurement parameter detection	yes

