

Temperature - Thermocouple Input

Portable Digital Thermometers

TM-36x Series Basic Type K Input



Specifications	TM-361	TM-364
Range	-200.0°C ~ +999.9°C 1000°C ~ +1372°C	-200.0°C ~ +999.9°C 1000°C ~ +1372°C
Accuracy	±0.1% rdg. ± 0.7°C (excl. probe error)	±0.1% rdg. ± 0.7°C (excl. probe error)
Input	Single type K	Dual type K or J
Min / Max hold	√	√
Data hold	√	√
°C / °F switchable	√	√
Auto power off	√	√



supplied c/w rubber holster, bead probe, batteries and manual

TM-265 Multi Thermocouple Input



Specifications	TM-265
Range (TC type dependant)	-250.0°C ~ +1767.0°C
Accuracy to ITS-90	±0.05% rdg. ± 0.7°C (excl. probe error)
Input	Single type K, J, E, T, R, S, N selectable
Min / Max hold	√
Data hold	√
°C / °F / K switchable	√
Auto power off	√

supplied c/w carry case, bead probe, batteries and manual

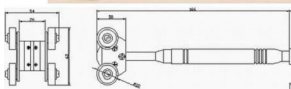
Standard Handheld type K Thermocouple probes



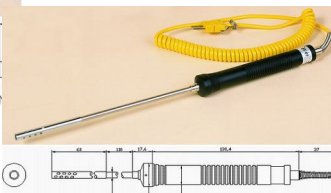
MTK5 Roller Surface probe
Range: -50~500°C



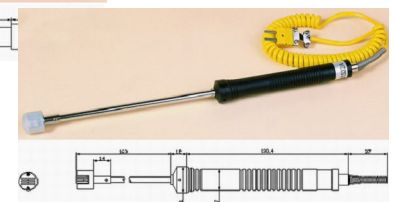
MTK3 Needle probe
Range: -50~500°C



MTK2 Air probe
Range: -50~500°C



MTK4 Surface Contact probe
Range: -50~500°C



Type	Temperature °C (continuous)	Temperature °C (short term)	Tolerance class one (°C)	Tolerance class two (°C)	IEC Color code	BS Color code	ANSI Color code
K	0 to +1100	-180 to +1300	±1.5 between -40 and 375 ±0.004×T between 375 and 1000	±2.5 between -40 and 333 ±0.0075×T between 333 and 1200			
J	0 to +700	-180 to +800	±1.5 between -40 and 375 ±0.004×T between 375 and 750	±2.5 between -40 and 333 ±0.0075×T between 333 and 750			
N	0 to +1100	-270 to +1300	±1.5 between -40 and 375 ±0.004×T between 375 and 1000	±2.5 between -40 and 333 ±0.0075×T between 333 and 1200			
R	0 to +1600	-50 to +1700	±1.0 between 0 and 1100 ±[1+0.003×(T-1100)] between 1100 and 1600	±1.5 between 0 and 600 ±0.0025×T between 600 and 1600			Not defined
S	0 to 1600	-50 to +1750	±1.0 between 0 and 1100 ±[1+0.003×(T-1100)] between 1100 and 1600	±1.5 between 0 and 600 ±0.0025×T between 600 and 1600			Not defined
B	+200 to +1700	0 to +1820	Not Available	±0.0025×T between 600 and 1700	No standard use copper wire	No standard use copper wire	Not defined
T	-185 to +300	-250 to +400	±0.5 between -40 and 125 ±0.004×T between 125 and 350	±1.0 between -40 and 133 ±0.0075×T between 133 and 350			
E	0 to +800	-40 to +900	±1.5 between -40 and 375 ±0.004×T between 375 and 800	±2.5 between -40 and 333 ±0.0075×T between 333 and 900			

Source: www.wikipedia.org

A.W.R. SMITH Process Instrumentation CC

PO Box 449 Pinegowrie 2123 Tel: 011 782 7279 / 888 7144 Fax: 086 648 7664 sales@instruments.co.za

www.instruments.co.za