

## STANDARD THERMOCOUPLES TYPE-K, -J, -T, -N, OR -E PROBE

TMC-X-A-X



**DESCRIPTION** 

The TMC-*x*-A-*x* series products are standard thermocouple probes. Intended to be used in conjunction with our TMC100 and TMC200 data loggers, they can nevertheless be used with any thermocouple meter or data logger equipped with a 2-pin flat connector. They are supplied with an exposed or shielded junction to suit a wide variety of applications and environments. The cable is protected by Teflon insulation for additional protection.

## **APPLICATIONS**

- 0EM
- Industrial production
- Prototypes
- Scientific research
- Building automation
- Engineering and R&D

## **OPTIONAL LENGHTS**

- 0 1.5 m (5 ft)
- Custom (Minimum quantities required)

	SPECIFICATIONS					
	Parameter	Condition	Value	Units		
ĺ	TMC-K-A-x					
)	Thermocouple type	-	K	-		
	Temperature range	-	-73 to 260	°C		
	Typical accuracy	-	±2.2	°C		
	Typical accuracy	Typ., -73 to -110	±2	°C		
	TMC-J-A-x					
	Thermocouple type	-	J	_		
	Temperature range	-	-0 to 260	°C		
	Typical accuracy	-	±2.2	°C		
	TMC-T-A-x					
	Thermocouple type	-	T	-		
	Temperature range	-	-73 to 260	°C		
	Typical accuracy	-	±1	°C		
	Typical accuracy	Typ., -73 to -67	±1.5	°C		
	TMC-N-A-X					
	Thermocouple type	-	N	-		
	Temperature range	-	-0 to 260	°C		
	Typical accuracy	-	±2.2	°C		
	TMC-E-A-x					
	Thermocouple type	-	Е	-		
	Temperature range	-	-73 to 260	°C		
	Typical accuracy	-	±1.7	°C		

Typ., -73 to -170  $\pm 1.7$ 

SPECIFICATIONS							
Parameter	Condition	Value	Units				
Common to all types							
Cable insulation	Teflon	-	-				
Connector type	Standard mini male	2	pin				
Response time	With exposed junction	Fast	_				
Cable lenght	see availables options	-	_				
Junction type	Exposed or protected	-	-				

Warning: This product is not designed for use in, and should not be used for, human applications.

Typical accuracy

**Note:** While every effort has been made to ensure accuracy in this publication, no responsibility can be accepted for errors or omissions.

Note: Data may change without notification, and you are strongly advised to obtain copies of the most recently issued datasheet.

ORDERING						
PRODUCT(S)						
PART NUMBER	OPTION	DESCRIPTION				
601107	TMC-K-A-5	Type-K thermocouple probe with exposed junction, 5 ft (1.5 m)				
601125	TMC-T-A-5	Type-T thermocouple probe with exposed junction, 5 ft (1.5 m)				
601126	TMC-J-A-5	Type-J thermocouple probe with exposed junction, 5 ft (1.5 m)				
601127	TMC-N-A-5	Type-N thermocouple probe with exposed junction, 5 ft (1.5 m)				
601128	TMC-E-A-5	Type-E thermocouple probe with exposed junction, 5 ft (1.5 m)				
601141	TMC-T-A-10	Type-T thermocouple probe with exposed junction, 10 ft (3 m)				
TRACEABILITY CERTIFICATE(S)						
NT1WT	NT1WT 1-point temperature certificate for one (1) unit					
NT2WT	2-point temperature certificate for one (1) unit					
NT3WT	NT3WT 3-point temperature certificate for one (1) unit					
NT4WT	NT4WT 4-point temperature certificate for one (1) unit					



CAUTION: Keep in mind that electromagnetic interferences (EMI) may adversely reduce the precision of the sensor. Avoid using this unit close to EMI sources such as or, transformers, high voltage and fluorescent light.

TIP: Avoid installing the sensor in a location where considerable vibrations may be present. Large vibrations can introduce extra inaccuracy in the pressure readings.

TIP: As for any precision measurement equipment, it is advised to power on the unit at leat 15 minutes before using it.