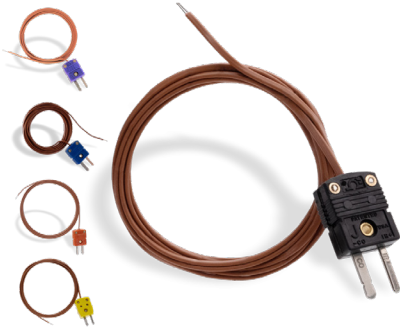


STANDARD THERMOCOUPLES TYPE-K, -J, -T, -N, OR -E PROBE

TMC-X-B-X



DESCRIPTION

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

APPLICATIONS

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

OPTIONAL LENGTHS

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

SPECIFICATIONS				
Parameter	Condition	Value	Units	
TMC-K-B-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-B-x				
Thermocouple type	–	J	–	
Temperature range	–	-0 to 260	°C	
Typical accuracy	–	±2.2	°C	
TMC-T-B-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-B-x				
Thermocouple type	–	N	–	
Temperature range	–	-0 to 260	°C	
Typical accuracy	–	±2.2	°C	
TMC-E-B-x				
Thermocouple type	–	E	–	
Temperature range	–	-73 to 260	°C	
Typical accuracy	–	±1.7	°C	
Typical accuracy	Typ., -73 to -170	±1.7	°C	

COMMON SPECIFICATIONS

Parameter	Condition	Value	Units
Common to all types			
Cable insulation	Teflon	–	–
Connector type	Standard mini male	2	pin
Response time	t90%	8	s
Cable length	see available options	–	–
Junction type	FEP-insulated	–	–

ORDERING

PRODUCT(S)		
PART NUMBER	OPTION	DESCRIPTION
601130	TMC-K-B-5	Type-K thermocouple probe with connector, 5 ft (1.5 m), FEP-insulated
601131	TMC-T-B-5	Type-T thermocouple probe with connector, 5 ft (1.5 m), FEP-insulated
601132	TMC-J-B-5	Type-J thermocouple probe with connector, 5 ft (1.5 m), FEP-insulated
601133	TMC-N-B-5	Type-N thermocouple probe with connector, 5 ft (1.5 m), FEP-insulated
601134	TMC-E-B-5	Type-E thermocouple probe with connector, 5 ft (1.5 m), FEP-insulated
601141-1	TMC-T-B-10	Type-T thermocouple probe with connector, 10 ft (3 m), FEP-insulated

TRACEABILITY CERTIFICATE(S)

NT1WT	1-point temperature certificate for one (1) unit
NT2WT	2-point temperature certificate for one (1) unit
NT3WT	3-point temperature certificate for one (1) unit
NT4WT	4-point temperature certificate for one (1) unit

Warning: This product should not be used in applications where its failure may cause personal injury.

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.

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 least 15 minutes before using it.

Sales:
sales@dracal.com

General Inquiries:
info@dracal.com

Technical Support:
support@dracal.com

Visit us at:
www.dracal.com

Dracal Technologies Inc.
7900 boul. Taschereau
Edifice A, suite 204
Brossard, QC, Canada
J4X 1C2