

Dual Input Thermometer



Introduction

This instrument is portable 3-1/2 digit, compact-sized digital thermometer designed to use external K-type thermocouple as temperature sensor. Temperature indication follows National Bureau of Standards and IEC 584 temperature/voltage tables for K-type thermocouples. Two K-type thermocouples are supplied with the thermometer.

Specifications

Electrical

Measurement Range	: -50°C to +1,300°C (-58°F to 2,000°F)
Resolution	: 1°C or 1°F, 0.1°C or 0.1°F
Accuracy	: Accuracy is specified for operating temperatures over the range of 18°C to 28°C (64°F to 82°F), for 1 year, not including thermocouple error. ±2°C -50°C to 0°C ±4°F -58°F to 32°F ±(0.3% rdg +1°C) 0°C to 1,000°C ±(0.5% rdg +1°C) 1,000°C to 1,300°C ±(0.3% rdg +2°F) 32°F to 2,000°F
Temperature Coefficient	: 0.1 times the applicable accuracy specification per °C from 0°C to 18°C and 28°C to 50°C (32°F to 64°F and 82°F to 122°F)
Input Protection	: 60V DC or 24Vrms AC max. input voltage on any combination of input pins.
Reading Rate	: 2.5 times per second
Input Connector	: Accepts standard miniature thermocouple connectors (flat blades spaced 7.9mm, centre to centre)

Environmental

Ambient Operating Range	: 0°C to +50°C (+32°F to +122°F)
Storage Temperature	: -20°C to +60°C (-4°F to +140°F)
Relative Humidity	: 0% to 80% (0°C to +35°C) (+32°F to 95°F) 0% to 70% (+35°C to +50°C) (+95°F to +122°F)

General

Display	: 3-1/2 digit liquid crystal display (LCD) with max. reading of 1999
Battery	: Standard 9V battery (NEDA 1604, IEC 6F22)
Battery Life	: 200 hours typical with carbon zinc battery
Dimensions:	: 147mm(H) × 70mm(W) × 39mm(D)
Weight	: 7.6oz (215g)

Part Number Table

Description	Part Number
Thermometer, Dual Input	72-2065

Important Notice : This data sheet and its contents (the "Information") belong to the members of the Premier Farnell group of companies (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from its negligence. Tenma is the registered trademark of the Group. © Premier Farnell plc 2012.

