

714 Thermocouple Calibrator

Compact, lightweight, and easy to carry



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- Measure temperature from TC output
- Simulate TC output
- Operable with nine types of thermocouples
- Calibrate linear TC transmitter with mV source function
- Selectable °F or °C
- Thermocouple mini-jack termination
- Available as accessories; Fluke 700 TC1 and TC2 Thermocouple Mini-plug Kits

General features

- Compact and lightweight
- Simple controls
- Clear, 5-digit, liquid crystal display
- Operating temperature: -10°C to 55°C
- Safety: CSA C22.2 No. 1010.1:1992
- Three-year warranty
- Included:
 - Fluke 714 Thermocouple Calibrator
 - Protective Yellow Holster with Flex-Stand™
 - Single 9V alkaline battery
 - Instructions (14 languages)

General specifications

- Maximum voltage:** 30 volts;
- Non-operating temperature:** -40°C to 60°C
- Operating temperature:** -10°C to 55°C
- Relative humidity:** 95% (10°C to 30°C); 75% (30°C to 40°C); 45% (40°C to 50°C); 35% (50°C to 55°C)
- Operating altitude:** 3,000m max
- Shock:** 1m drop test
- Vibration:** random, 2g, 5-500 Hz
- Safety:** CSA C22.2 No. 1010.1:1992
- EMC:** EN50082-1:1992 and EN55022:1994 Class B
- Size/weight:** 187 mm L x 87 mm W x 32 mm D (7.35 in L x 3.41 in W x 1.25 in D) 330g (12 oz)
- Size/weight (with holster and FlexStand™):** 201mm L x 98 mm W x 52 mm D (7.93 in L x 3.86 in W x 2.06 in D) 600g (21 oz)
- Power:** 9V battery ANSI/NEDA 1604A or IEC 6LR619V alkaline
- Battery Life:** 4 to 20 hours, typical, depending on functions used
- Warranty:** Three years



Specifications (18° to 28°C, one year)

Function	Range	Resolution	Accuracy	Notes
Measure/simulate Thermocouple	-200 to 1800°C, depending on type (K, -200 to 1370°C)	0.1°C or °F (1°C or °F; BRS)	0.3°C + 10 V	9 TC types; J K T E R S B per NIST 175 and ITS-90 L U per DIN 43710 and IPTS-68
Measure/simulate mV	-10 to 75 mV	0.01 mV	0.025% + 1 count	