

714 Thermocouple Calibrator

Compact, lightweight, and easy to carry



714 Thermocouple Calibrator

- 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	

Ordering Information

Fluke-714 Thermocouple Calibrator

Need technical assistance? Call:

1-800-44-FLUKE

Toll-free in the U.S.

(905) 890-7600 in Canada

(425) 356-5500 other countries

For more information to be sent to you by fax, call 1-800-FLUKE-FAX in the U.S. and Canada. Or, visit our Website at <http://www.fluke.com>

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