

## TECHNICAL DATA

# Fluke 714 Thermocouple Calibrator



## Key features

- 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-700TC1 and TC2 Thermocouple Mini-plug Kits
- Holster features test lead storage
- Compatible with toolpack magnetic hanging system

## Product overview: Fluke 714 Thermocouple Calibrator

The Fluke 714 Thermocouple Calibrator delivers outstanding performance, durability and reliability. The calibrator is compact, lightweight, and easy to carry. With a push button interface similar to the multifunction Fluke 750 Series [documenting process calibrators](#), the 714 is easy to use. It is EMI tolerant, dust and splash resistant, and features a removable battery door for quick battery changes.

## Specifications: Fluke 714 Thermocouple Calibrator

Functional Specifications		
Measure / simulate thermocouple	Range	-200 to 1800°C, depending on type
	Resolution	0.1°C
	Accuracy	0.3°C + 10 µV
	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	Range	-10 to 75 mV
	Resolution	0.01 mV
	Accuracy	0.025% + 1 count
Specifications		
Display	LCD, 5 digit temperature and current simultaneous	
Environmental Specifications		
Operating temperature	-10°C to 55°C	
Storage temperature	-40°C to 60°C	
Humidity (without condensation)	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	3,000 m max	
Safety Specifications		
Safety	CSA C22.2 No. 1010.1:1992	
Mechanical and General Specifications		
Size (L x W x D)	187 x 87 x 32 mm	
	(7.93 x 3.86 x 2.06 in)	
Weight	Approx. 330 g	
	(21 oz)	
Warranty	3 years	
Shock and vibration	Random, 2 G, 5-500 Hz	
	1 m drop test	
Battery type	Single 9 V battery ANSI/NEDA 1604A or IEC 6LR619V alkaline	

Ordering information



Fluke 714

Fluke 714 Thermocouple Calibrator

Includes:

- Protective yellow holster with test lead storage
- Instructions sheet (14 languages)
- Single 9V alkaline battery
- NIST-traceable calibration report and data

Optional accessories	Description
Fluke 80PK-9 General Purpose Probe	Type-K thermocouple surface, air and non-caustic gases
Fluke TLK-220 US SureGrip™ Industrial Test Lead	Special value SureGrip Set for industrial applications.
Fluke 80PK-24 SureGrip™ Air Temperature Probe	Type-K thermocouple for use in air and non-caustic gas measurements, bead protected by perforated baffle.
Fluke 80PK-27 SureGrip™ Industrial Surface Temperature Probe	Type-K thermocouple for surfaces in rugged environment, durable ribbon sensor, measurement range: -127 to 600°C.

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