

# 724 Temperature Calibrator



Fluke 724



## The temperature solution

The Fluke 724 Temperature Calibrator is a powerful yet easy-to-use calibrator. Use the measure and source functions to test and calibrate almost any temperature instrument.

- Easy to read dual display lets you view input and output simultaneously
- Measure RTDs, thermocouples, ohms, and volts to test sensors and transmitters
- Source/simulate thermocouples, RTDs, volts, and ohms to calibrate transmitters
- Perform fast linearity tests with 25% and 100% steps

- Execute remote tests with auto step and auto ramp
- Power transmitters during test using loop power supply with simultaneous mA measurement
- Store frequently-used test setups for later use

## Features

Simultaneous Function Capability	Channel A	Channel B
24.000 mA DC	M	
24.000 mA DC with 24V loop supply	M	
100.00 mV DC		M or S
30.000V DC Measure	M	
20.000V DC Measure 10.000V DC Source		M or S
0 to 3200 Ohms		M or S
Thermocouple J, K, T, E, R, S, B, L, U, N		M or S
RTD Ni120; Pt100 (3926); Pt100 (JIS); Pt100, 200, 500, 1000 (385)		M or S

M = Measure S = Source/Simulate

## Specifications

Function Measure or Source	Range	Resolution	Accuracy	Notes
Voltage	0 to 100 mV 0 to 10V (source) 0 to 30V (measure)	0.01 mV 0.001 V 0.001 V	0.02% Rdg + 2 LSD	Max load, 1 mA
mA (measure)	0 to 24 mA	0.001 mA	0.02% Rdg + 2 LSD	Max load, 1000Ω
mV	-10.00 mV to +75.00 mV	0.01 mV	0.025% of range + 1 LSD	
Resistance	0Ω to 3200Ω (measure) 15Ω to 3200Ω (source)	0.01Ω to 0.1Ω	0.10Ω to 1.0Ω	
Loop Supply	24V DC	N/A	10%	
Thermocouples	J, K, T, E, L, N, U	0.1 °C	to 0.7 °C	
Thermocouples	B, R, S	1 °C	to 1.4 °C	
RTDs	Ni120 (672) Pt 100, 200, 500, 1000 (385) Pt 100 (3916) Pt 100 (3926)	0.1 °C	to 0.2 °C	

**Maximum voltage:** 30V  
**Operating temperature:** -10°C to 55°C  
**Safety:** CSA C22.2 No. 1010.1:1992  
 EMC: EN50082-1:1992 and EN55022:1994 Class B

**Size (HxWxD):** 200 mm x 96 mm x 47 mm  
**Weight:** 0.65 kg  
**Battery:** Four AA alkaline batteries  
**Battery life:** 25 hours typical; battery door  
**Three Year Warranty**

### Included Accessories

TL75 Test Leads, AC72 Test Clips, one pair of stackable test leads.

### Ordering Information

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### Recommended Accessories



C25



TL220



TL81A



80PK-25



80PK-3A