

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