

712/714 Temperature Calibrators



Fluke 714



Fluke 712

The clear choice

The Fluke 710 Series Process Calibrators offer clear new choices in single-function calibrators. Whatever you want to measure - temperature, pressure or basic electrical parameters - you'll find one of these easy-to-carry handheld tools gives you exactly the functions you need. They combine the rugged, ready-for-action package of the proven Fluke 80 Series DMMs with the easy-to-use pushbutton operation of the multifunction Fluke 740 Series Documenting Process Calibrators. These calibrators are EMI tolerant, dust and splash resistant, and have a removable battery door for quick battery changes.

712 RTD Calibrator

- Measure temperature from RTD output
- Simulate RTD output
- Rosemount pulsed RTD transmitter compatible
- Operates with seven types of RTDs
- Measure additional RTDs using Ohms measurement function
- Simulate additional RTDs using Ohms source function
- °F or °C selectable
- Four shrouded banana jacks

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

Specifications

| Model | Function | Range | Resolution | Accuracy | Notes |
|-----------|-------------------------------|---|------------------------------|------------------------|--|
| Fluke 712 | Measure/simulate RTD | -200 to 800°C (Pt 100) | 0.1°C, 0.1°F | 0.33°C, 0.6°F (Pt 100) | Pt; 100, 200, 500, 1000 (385); Pt 100 (3926); Pt 100 (3916) JIS; Ni 120 (672) |
| | Measure/simulate Resistance | 15 Ω to 3200 Ω | 0.1 Ω | 0.1 Ω to 1 Ω | |
| Fluke 714 | 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 to 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 | -10 to 75 mv | 0.01 mV | 0.025% + 1 count | |



Included Accessories

Yellow Holster (H80M excl. TPAK), Test Leads and AC172 Alligator Clips (excluding model 714), single 9V alkaline battery and Instruction Sheet (14 languages)

Ordering Information

Fluke 712 RTD Calibrator
Fluke 714 Thermocouple Calibrator

Maximum voltage: 30 V
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): 201mm x 98 mm x 52 mm
Weight: 0.6kg
Battery: 9V alkaline
Battery Life: 4 to 20 hours, typical, depending on functions used
Three Year Warranty

Recommended Accessories



C25
See page 130



C550
See page 130



TL970
See page 121



TL220-1 (714)
See page 122



80PK-24 (714)
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