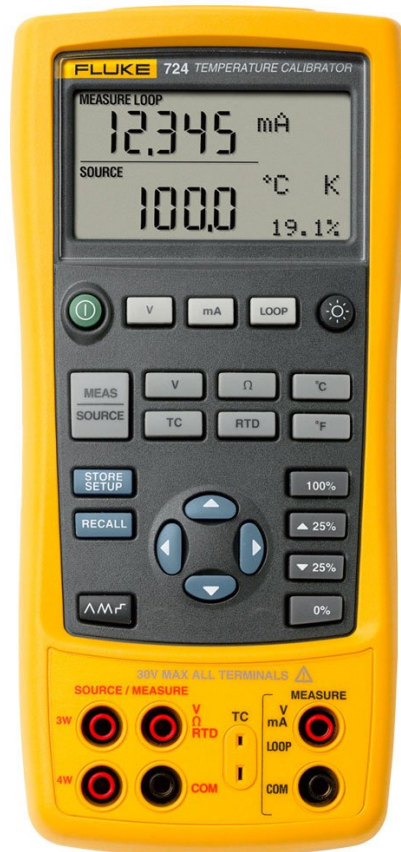


Fluke 724 Калибратор измерителей температуры



Ключевые особенности

- Powerful, easy-to-use, high-accuracy temperature calibrator
- Test and calibrate temperature sensors and transmitters
- Measures 4 to 20 mA loops and can provide loop power
- Measures RTDs, thermocouples, ohms, and volts
- Source/simulates thermocouples, RTDs, volts, and ohms

Обзор прибора: Fluke 724 Калибратор измерителей температуры

Everything you need to troubleshoot and calibrate temperature sensors and transmitters

The Fluke 724 is powerful yet easy-to-use temperature calibrator that sources and measures 10 thermocouple types, and 7 RTD types, plus volts and ohms. It also measures mA while simultaneously supplying loop power to the transmitter. Use it to test and calibrate almost any temperature instrument, so you only need one tool to expertly test all the temperature sensors and transmitters in your plant.

The Fluke 724 even handles high-speed pulsed RTD circuits and provides loop power. The dual-line measure/source display lets you source temperature and view loop current at the same time. And with its simple, "no menus" controls, you'll be able to get all your testing done faster. Whether you're performing fast linearity tests using the 25% and 100% step functions, or performing a remote test using the auto step or auto ramp feature the Fluke 724 will help you get the job done.

Built to help you work quickly

With its compact, easy-to-carry streamlined shape, the Fluke 724 also features a bright backlit display that lets you work in low light conditions. The large battery capacity (four AA alkaline batteries) gives you long runtimes, and the easy-to-access battery door makes it quick to change out batteries when necessary. All this in a rugged, reliable package designed to stand up to field use.

Характеристики: Fluke 724 Калибратор измерителей температуры

Measurement Accuracy		
Voltage DC	30.000 V	0.02% + 2 counts (upper display)
	20.000 V	0.02% + 2 counts (lower display)
	100.00 mV	0.02% + 2 counts
	-10.00 mV to 75.00 mV	0.025% + 1 count (via TC connector)
Current DC	24.000 mA	0.02% + 2 counts
Resistance	0.0 to 400.0 Ω	0.1 Ω (4-wire), 0.15 Ω (2- and 3-wire)
	401 to 1500 Ω	0.5 Ω (4-wire), 1 Ω (2- and 3-wire)
	1500 to 3200 Ω	1 Ω (4-wire), 1.5 Ω (2- and 3-wire)
Source Accuracy		
Voltage DC	100.00 mV	0.02% + 2 counts
	10.000 V	0.02% + 2 counts
	-10.00 mV to 75.00 mV	0.025 % + 1 count (via TC connector)
Resistance	15.0 to 400.0 Ω	0.15 Ω (exc. current 0.15 to 0.5 mA), 0.1 Ω (exc. current 0.5 to 2 mA)
	401 to 1500 Ω	0.5 Ω (excitation current 0.05 to 0.8 mA)
	1500 to 3200 Ω	1 Ω (excitation current 0.05 to 0.4 mA)
RTDs and Thermocouples		

Measure accuracy	NI-120	0.2°C
	PT-100 (385)	0.33°C
	PT-100 (393)	0.3°C
	PT-100 (JIS)	0.3°C
	PT-200 (385)	0.2°C
	PT-500 (385)	0.3°C
	PT-1000 (385)	0.2°C
	Resolution	0.1°C
	J	0.7°C
	K	0.8°C
	T	0.8°C
	E	0.7°C
	R	1.8°C
	S	1.5°C
	B	1.4°C
	L	0.7°C
	U	0.75°C
	N	0.9°C
	Resolution	J, K, T, E, L, N, U: 0.1°C, 0.1°F B, R, S: 1°C, 1°F
	XK	0.6°C
BP	1.2°C	

Source accuracy	NI-120	0.2°C
	PT-100 (385)	0.33°C
	PT-100 (393)	0.3°C
	PT-100 (JIS)	0.3°C
	PT-200 (385)	0.2°C
	PT-500 (385)	0.3°C
	PT-1000 (385)	0.2°C
	Resolution	0.1°C
	Accuracy stated for 4-wire measurement.	
	J	0.7°C
	K	0.8°C
	T	0.8°C
	E	0.7°C
	R	1.4°C
	S	1.5°C
	B	1.4°C
	L	0.7°C
	U	0.75°C
	N	0.9°C
	Resolution	J, K, T, E, L, N, U: 0.1°C, B, R, S: 1°C
XK	0.6°C	
BP	1.2°C	
Specifications		
Ramp functions	Source functions	Voltage, current, resistance, frequency, temperature
	Ramps	Slow ramp, Fast ramp, 25% step-ramp
Loop power function	Voltage	24 V
	Accuracy	10%
	Maximum current	22 mA, short circuit protected
Step functions	Source functions	Voltage, current, resistance, frequency, temperature
	Steps	25% of range, 100% of range
Environmental Specifications		
Operating temperature	-10°C to 55°C	
Storage temperature	-20°C to 71°C	

Humidity (without condensation)	90%	10°C to 30°C
	75%	30°C to 40°C
	45%	40°C to 50°C
	35%	50°C to 55°C
Safety Specifications		
Safety rating	CSA C22.2 No. 1010.1:1992	
EMC	EN50082-1:1992 and EN55022:1994 Class B	
Mechanical and General Specifications		
Size	96 x 200 x 47 mm	
Weight	650 g	
Batteries	Four AA alkaline batteries	
Warranty	Three years	
Battery life	25 hours typical	
Shock and vibration	Random, 2 G, 5-500 Hz	

Модели



Fluke 724

Fluke 724 Temperature Calibrator

Includes:

- AC70A Test Clips
- One pair of stackable test leads
- TL75 Test Leads
- CE and CSA Markings
- Manuals in English, French, German, Spanish, Italian, Portuguese, Korean, Chinese and Japanese
- Users manuals on CD-ROM
- NIST- traceable calibration report and data

Optional accessories

ТРАК Комплект ToolPak

Description

Powerful magnetic strap for safe, hands free measurements.

80PK-3A Плоский зонд (типа К)

Type-K thermocouple for flat or curved surfaces such as plates and rollers, measurement range: 0 to 260 °C.

80PK-27 Промышленный плоский зонд (типа К)

Type-K thermocouple for surfaces in rugged environment, durable ribbon sensor, measurement range: -127 to 600°C.

