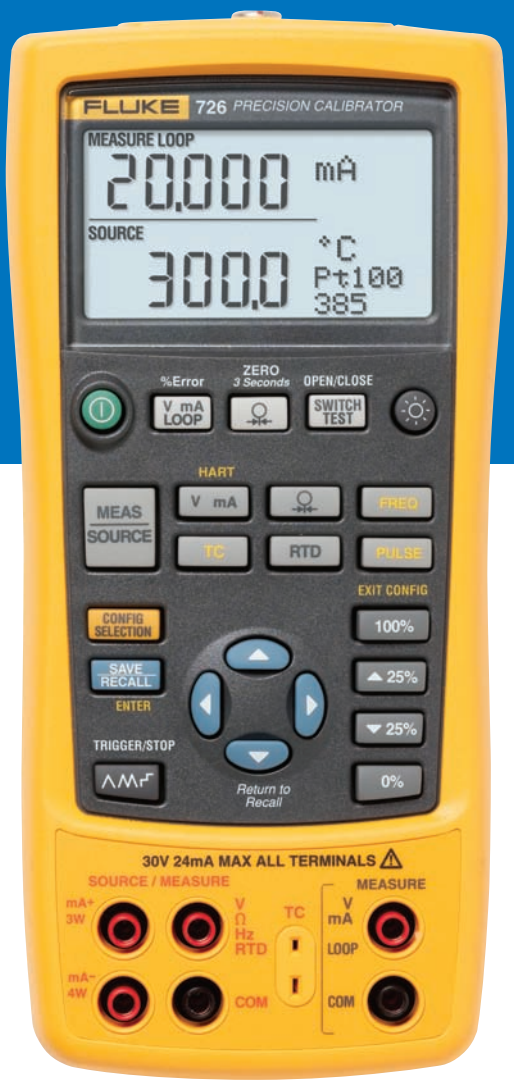
FLUKE ®

Fluke 726
Precision Multifunction Process Calibrator

Pressure Enabled



More Calibration Power!

The Fluke 726 Precision Multifunction Process Calibrator is designed specifically for the Process industry with broad workload coverage, calibration power and unsurpassed accuracy in mind. The 726 measures and sources almost all process parameters and can calibrate almost anything. The 726 will also interpret results without the help of a calculator and store measurement data for later analysis.

726 features:

- More precise measurement and calibration source performance, accuracies of 0.01%.
- Transmitter error% calculation, interpret calibration results without a calculator
- Memory storage for up to 8 calibration results, return stored calibration data from the field for later analysis
- Frequency totalizer and frequency pulse train source mode for enhanced flowmeter testing
- HART mode inserts 250 ohm resistor in mA measure and source for compatibility with HART instrumentation
- Integrated pressure switch test allows you to capture the set, reset and deadband of a switch
- Custom RTD curves, add calibration constants for certified RTD probes for enhanced temperature measurement.
- New voltage input protection design for improved reliability
- Two separate channels; measure, source and view process signals simultaneously
- Measure volts, mA, RTDs, thermocouples, frequency, and resistance to test sensors and transmitters
- Source/simulate volts, mA, thermocouples, RTDs, frequency, and pressure to calibrate transmitters
- Measure or *source pressure using any of 29 Fluke 700Pxx Pressure Modules
- Source mA with simultaneous pressure measurement to conduct valve and I/P tests
- Perform fast linearity tests with auto step and auto ramp features
- Power transmitters during test using 24 V loop supply and simultaneous mA measurement
- Store frequently-used test setups for later use
- Three-year warranty

*Pressure pump required

726 Specifications

Function Measure or Source	Range or Type	Resolution	Accuracy	Notes
Voltage	0 to 100 mV 0 to 20 V (source) 0 to 30 V (measure)	0.01 mV 0.01 V 0.01 V	0.01 % Rdg + 2 LSD	Max load, 1 mA
mA	0 to 24	0.001 mA	0.01 % Rdg + 2 LSD	Max load, 1000 Ω
mV (TC terminals)	-10.00 mV to +75.00 mV	.01 mV	0.01 % of range + 1 LSD	
Resistance	5 Ω to 4000 Ω	≤ 0.01 Ω to 0.1 Ω	0.015 %	
Frequency	2.0 to 1,000 CPM 1 to 1100 Hz 1.0 to 10.0 kHz 10.0 to 15.0 kHz	0.1 CPM 1 Hz 0.1 kHz 0.1 kHz	± 0.05 % ± 0.05 % ± 0.25 % ± 0.5 %	For frequency source; 1 V to 20 V p-p squarewave, -0.1 V offset
Loop Supply	24 V dc	N/A	10 %	
Thermocouples	J, K, T, E, L, N, U, C, BP, XK	0.1 °C, 0.1 °F	to 0.2 °C	
Thermocouples	B, R, S	1 °C, 1 °F	to 1.2 °C	
RTDs	Cu 10 Ni 120 (672) Pt 100, 200, 500, 1000 (385) Pt 100 (3916), Pt 100 (3926) Cu 10	0.1 °C, 0.1 °F 0.01 °C, 0.01 °F	to 1.8 °C to 0.15 °C	

Simultaneous Function Capability	Channel A	Channel B
24.000 mA DC	M	M or S
24.000 mA DC with 24 V loop supply	M	
100.00 mV DC		M or S
30.000 V DC measure	M	
20.000 V DC measure, 20.000 VDC Source		M or S
5 to 4000 Ohms		M or S
Thermocouple J, K, T, E, R, S, B, M, L, U, N, C, BP, XK		M or S
RTD Ni120; Pt100 (392); Pt100 (JIS); Pt100, 200, 500, 1000 (385), Cu 10		M or S
Pressure (requires Fluke 700PXX Modules)	M	M used as S
Frequency; Squarewave, 1 CPM to10 kHz; fixed amplitude 5 V p-p		M or S

M = Measure, **S** = Source/Simulate

General Specifications

Storage temperature: -20 °C to 71 °C
Operating temperature: -10 °C to 55 °C
Relative humidity: 90 % (10 °C to 30 °C); 75 % (30 °C to 40 °C); 45 % (40 °C to 50 °C); 35 % (50 °C to 55 °C)
Shock: 1 meter drop test
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 (7.9 in x 3.8 in x 1.9 in)
Weight: 650 g (23 oz)
Battery: Four AA alkaline batteries
Battery life: 25 hours typical
Warranty: Three-years

Ordering Information

Fluke-726 Precision Multifunction Process Calibrator

Included
TL75 Test Leads, AC72 Test Clips, one pair of stackable test leads, product overview manual (print) and user's manual (CD-ROM) in14 languages.

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