

# Fluke 725 and 726 Multifunction Process Calibrators



Fluke 726

Fluke 725



## More calibration power!

- 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 pressure using any of 50 Fluke 750Pxx 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
- Power transmitters during test using 24 V loop supply and simultaneous mA measurement
- Store frequently-used test setups for later use
- Three-year warranty

## 726 additional features:

- More precise measurement and calibration source performance, accuracies of 0.01%
- Transmitter error % calculation
- Memory storage for up to 8 calibration results
- Frequency totalizer and frequency pulse train source mode
- HART mode inserts 250 ohm resistor in mA measure and source for compatibility with HART instrumentation
- Integrated pressure switch test
- Custom RTD curves, add calibration constants for certified RTD probes for enhanced temperature measurement

Function or Source	Range or Type	Resolution	Accuracy	Notes
Voltage	0 to 100 mV 725: 0 to 10V (source) <b>0 to 20V (source)</b> 725/726: 0 to 30V (measure)	0.01 mV 0.001 V 0.001 V 0.001 V	<b>0.01%</b> 0.02% Rdg + 2 LSD	Max load, 1 mA
mA	0 to 24	0.001 mA	0.01%; 0.02% Rdg + 2 LSD	Max load, 725/726: 1000 Ω
mV (TC terminals)	-10.00 mV to +75.00 mV	0.01 mV	<b>0.01%</b> 0.02% of range + 1 LSD	
Ohms	15 Ω to 3200 Ω <b>5 Ω to 4000 Ω</b>	0.01 Ω to 0.1 Ω	<b>0.01%</b> 0.10 Ω to 1.0 Ω	
Hz - CPM	2.0 to 1000 CPM 1 to 1000 Hz 1.0 to 10.0 kHz <b>10.0 to 15.0 kHz</b>	0.1 CPM 1 Hz 0.1 kHz <b>0.1 kHz</b>	±0.05% ±0.05% ±0.25% <b>±0.05%</b>	Source; 5 V p-p <b>1 V - 20 V p-p</b> squarewave, -0.1 V offset
Loop Supply	725/726: 24 V DC	N/A	10%	
T/C	J, K, T, E, L, N, U, XK	0.1°C	to 0.7°C to 0.2°C	
T/C	B, R, S, BP	1°C	to 1.7°C to 1.2°C	
RTDs	<b>Cu (10)</b> , Ni 120 (672) Pt 100, 200, 500, 1000 (385) Pt 100 (3916), Pt 100 (3926)	<b>0.01°C</b>  0.1°C	<b>to 0.15°C</b>  to 0.2°C	

Simultaneous function capability	Channel A	Channel B
24.00 mA DC	M	M or S
24.00 mA DC with 24 V loop supply	M	—
100.00 mV DC	—	M or S
30.00 V DC measure	M	—
20.00 V DC measure; 10.00 V DC source; <b>20.00 V DC source</b>	—	M or S
15 to 3200 Ohms (725); <b>5 to 4000 Ohms (726)</b>	—	M or S
Thermocouple J, K, T, E, R, S, B, M, L, U, N, XK, BP	—	M or S
RTD <b>Cu 10</b> , Ni120; Pt100 (392); Pt100 (JIS); Pt100, 200, 500, 1000 (385), XK and BP	—	M or S
Pressure (requires Fluke 750PXX Modules)	M	M used as S
Frequency; 10 kHz; <b>(15 kHz)</b>	—	M or S

M = Measure, S = Source/Simulate

Unique 726 features are in bold

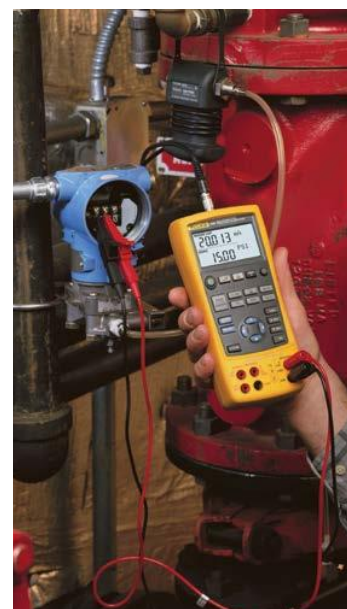
## Recommended Accessories


**TL220**  
SureGrip™ Industrial  
Test Lead Set

**C125**  
Soft Case

**80PK-27**  
Industrial Surface  
Temperature Probe

**700PRV**  
Pressure Relief  
Valve Kit

**750PXX**  
Pressure Module


## Included Accessories

TL75 Test Lead Set (TL75), AC70A Test Clip Set (725), AC72 Test Clip Set (726), Stackable Test Lead Set, Four AA Batteries, Traceable Calibration Certificate.

## Ordering Information

**FLUKE-725** Multifunction Process Calibrator

**FLUKE-726** Precision Multifunction Process Calibrator

Contact your local distributor for price and availability.

fluke.com/wtb

Process Calibration Tools — Multifunction Calibration

