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Fluke 726 Precision Multifunction Process Calibrator

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Measurement Accuracy

Voltage DC	30.000 V	0.01%+ 2 mV (upper display)
	20.000 V	0.01%+ 2 mV (lower display)
	90.00 mV	0.01%+ 10µV
	-10.00 mV to 75.00 mV	0.025 % + 1 count (via TC connector)
Current DC	24.000 mA	0.01%+ 2 mA

Resistance	0.0 to 4000.0 Ω +/- 0.015%
Frequency	2.0 to 1000.0 CPM 0.05 % + 0.1 cpm 1.0 to 1000.0 Hz 0.05 % + 0.1 Hz 1.00 to 15.00 kHz 0.05 % + 0.01 kHz Sensitivity 1 V peak-to-peak-minimum
Pressure	Accuracy from 0.025% of range using any of 29 pressure modules. (for detailed specifications refer to pressure modules in options and accessories) Modules available for differential, gauge, vacuum, absolute, dual and high pressure.

Source Accuracy	
Voltage DC	100.00 mV 0.01%+10 μ V 20.000 V 0.01%+2 mV -10.00 mV to 75.00 mV 0.025 % + 1 count (via TC connector)
Current DC	24.000 mA (Source) 0.01%+ 2 μ A 24.000 mA (Simulate) 0.01%+ 2 μ A
Resistance	Range, Accuracy (Percent of reading + floor) and Excitation Current 5 to 400 Ω , 0.015% + 0.1 Ω , 0.1 to 0.5mA 5 to 400 Ω , 0.015% + 0.05 Ω , 0.5 to 3mA 400 to 1500 Ω , 0.015% + 0.5 Ω , 0.05 to 0.8 mA 1500 to 4000 Ω , 0.015% + 0.5 Ω , 0.05 to 0.4 mA
Frequency	2.0 to 1000.0 CPM 0.05% 1.0 to 1000.0 Hz 0.05% 1.0 to 10.0 kHz 0.25% 10.0 to 15.0 kHz 0.5% Waveform: 5 V p-p squarewave, -0.1 V offset

RTDs and Thermocouples	
Measure and Source Accuracy:	Cu10 1.8 $^{\circ}$ C NI-120 0.15 $^{\circ}$ C PT-100 (385) 0.45 $^{\circ}$ C PT-100 (392) 0.35 $^{\circ}$ C

PT-100 (391-JIS)	0.35 °C
PT-200 (385)	0.95 °C
PT-500 (385)	0.55 °C
PT-1000 (385)	0.35 °C
RTD Resolution:	0.01 C (0.01 F)
Cu10.01 C	0.1 C (0.1 F)
J:	0.4 °C
K:	0.5 °C
T:	0.4 °C
E:	0.4 °C
R:	1.4 °C
S:	1.4 °C
B:	1.4 °C
L:	0.45 °C
U:	0.45 °C
N:	0.6 °C
XK:	0.4 °C
BP:	1.1 °C
TC Resolution	J, K, T, E, L, N, U: 0.1 °C, 0.1 °F B, R, S: 1 °C, 1 °F

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
Operating Altitude	3000 m

Safety Specifications

Agency Approvals	EN 61010-1:1993, ANSI/ISA S82.01-1994; CAN/CSA C22.2 No 1010.1:1992
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Mechanical & General Specifications	
Size	200mm x 96mm x 47mm (7.9 in x 3.8 in x 1.9 in)
Weight	650 g (23 oz.)
Batteries	4 AA alkaline batteries
Battery Replacement	Separate battery compartment, accessible without breaking calibration seal
Side port connections	Pressure module connector, also used for remote real-time programming

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