

Field Calibrators

Fluke process calibration tools include a full range of calibrators and troubleshooting tools for instrument technicians working in the process industries. The range of process calibrators include: Documenting Process Calibrators, Multifunction Process Calibrators, single function and multifunction temperature calibrators, a variety of mA loop calibrators and a range of intrinsically safe products.



Field Calibrator Selection Guide

Model Measure	Documenting Process Calibrators		Multifunction Process Calibrator		Temperature Calibrators			Pressure Calibrators					Loop Calibrators					Process-Meters		
	754/753	725/725Ex	726	724	714	712	718/718Ex	717	719	719Pro	721	715	707/707Ex	709/709H	771	772	773		705	789/787
Voltage DC	300 V	30 V	30 V	30 V	75 mV					30 V	30 V	10 V	28 V	30 V			30 V	28 V	1000 V	
Voltage AC (true RMS)	300 V																		1000 V	
Resistance	10 kΩ	3200 Ω	4000 Ω	3200 Ω		3200 Ω													40 MΩ	
Current DC	110 mA	24 mA	24 mA	24 mA			24 mA	24 mA	24 mA	24 mA	24 mA	24 mA	24 mA	24 mA	100 mA	100 mA	100 mA	24 mA	30 mA, 1 A	
Current AC																			●	
Frequency	50 kHz	10 kHz	15 kHz																20 kHz	
Pressure	● ¹	● ¹	● ¹				-0.85 bar to 20 bar (4 ranges) / up to 700 bar ²	-0.85 bar to 700 bar (10 ranges)	-0.85 bar to 7 bar (2 ranges) / up to 700 bar ²	-0.8 to 20 bar (3 ranges) / up to 700 bar ²	input 1: -0.97 bar to 2.48 bar input 2: -0.85 bar to 345 bar ²									
Temperature																				
Temperature: RTD types	8	7	8	7		7														
Temperature: TC types	13	12	12	12	9															
Source/Simulate																				
Voltage DC	15 V	10 V	20 V	10 V	75 mV						10 V						10 V			
Resistance	10 kΩ	3200 Ω	4000 Ω	3200 Ω		3200 Ω														
mA DC/% scale	22 mA	24 mA	24 mA	24 mA				●	●	●	24 mA	24 mA	●	●	●	24 mA	24 mA	24 mA	24 mA	
mA source; auto step, auto ramp	●	●	●				●	●	●	●	●	●	●	●	●	●	●	●	●	●
Frequency	50 kHz	10 kHz	15 kHz																	
Temperature: RTD types	8	7	8	7		7														
Temperature: TC types	13	10	10	10	9															
Record																				
Min/Max	●						●	●	●	●	●				●	●	●	●	●	●
Hold							●	●	●	●										
As Found/As Left results	●																			
Log data	●																			
Upload data to PC	●																			
Remote operation			●																	●/-
Features																				
Loop supply	26 V	24 V/12 V	24 V	24 V			24 V/-	24 V	24 V	24 V	24 V	24 V	24 V	24 V	24 V	24 V	24 V	24 V	24 V/-	
Hart communication	●/-																			
Integrated hand pressure pump							●													
Electric Pump								●	●	●										
Intrinsically safe (ATEX)							718EX													
NIST traceable certification	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Warranty in years	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
See catalog page	108	109	109	110	111	111	112	112	112	112	113	116	116	115	117	117	117	116	118	

¹ Fluke 700 pressure modules required
² Ranges for the internal sensor.
³ Ranges depending on version
⁴ by using optional 720 RTD probe accessory
 Ranges for use of Fluke 700 pressure modules, see page 119.

750 Series Documenting Process Calibrators

FLUKE®

Work smarter. Work faster



Fluke 754



Fluke 753



Whether you're calibrating instruments, troubleshooting a problem or running routine maintenance, Fluke 750 series process calibrators can help you get the job done faster. It does so many different tasks, so quickly and so well, it's the only process calibrator you need to carry.

- Measure volts, mA, RTDs, thermocouples, frequency, and ohms to test sensors, transmitters and other instruments
- Source/simulate volts, mA, thermocouples, RTDs, frequency, ohms, and pressure to calibrate transmitters
- Power transmitters during test using loop supply with simultaneous mA measurement
- Measure/source pressure using any of 29 Fluke pressure modules
- Measure and source simultaneously with one compact, rugged, reliable tool
- Create and run automated as-found/as-left procedures to satisfy quality programs or regulations. Record and document results
- Advanced features like autostep, custom units, user entered values during test, one-point and two-point switch testing, square root DP flow testing, programmable measurement delay and more
- Control the temperature of selected Hart Scientific Dry Blocks
- Handle fast pulsed RTD transmitters and PLCs in RTD source mode with 1 ms response time
- English, French, German, Italian, and Spanish languages
- Three-year warranty

753: A complete documenting calibrator

The 753 Documenting Process Calibrator automates calibration procedures and captures your data. Use the PC interface for downloading procedures, lists, and instructions to the 753 and for uploading data for printing, archiving and analysis.

754: Get HART-ability

The 754 offers all of the capabilities of the 753, plus integrated HART communication capability. This rugged, reliable tool is ideal for calibrating, maintaining, and troubleshooting HART and other instrumentation.

Instrumentation Management Software

The Fluke 753 and 754 are compatible with Fluke 700SW DPC/TRACK software and with software from Cornerstone, Fisher-Rosemont, Honeywell, Yokogawa, Prime Technologies and On Time Support.

Specifications

(Check the Fluke web for detailed specifications)

Function	Measure	Sourcing
Voltage DC	0.02% + 0.005 mV	0.01% + 0.005 mV
Current DC	0.01% + 5 µA	0.01% + 0.003 mA
Resistance	0.05% reading + 50 mΩ	0.01% output + 10 mΩ
Frequency	0.05 Hz	0.01 Hz
Thermocouples	0.3°C	0.2°C
RTDs	0.07 °C	0.06 °C
Pressure	To 0.05% of full scale. See Pressure Module specifications.	

Operating temperature: -10° C to 50° C

Storage temperature: -20° C to 60° C

Safety: CAT II 300V

Battery Life: Typically over eight hours

Internal Battery Pack: li-ion, 7.2V, 4400 mAh, 30 Wh

Battery Replacement: Via snap-shut door without opening calibrator; no tools required

Weight: 1.2 kg

Size (HxWxD): 245 mm x 136 mm x 63 mm

Three Year Warranty

Included Accessories

Stackable test leads (3 sets), TP220 test probes (3 sets) with extended tooth alligator clips (3 sets), AC280 hook clips (2 sets), BP7240 Li-ion battery pack, BC7240 battery charger, C799 field soft case, USB communication cable, getting started guide, instruction manual on CDROM, NIST traceable certificate of calibration, DPCTrack™ 2 sample software that enables upload and printing of calibration records. HART communication cable (754 only).

Ordering Information

Fluke 753	Documenting Process Calibrator
Fluke 754	Documenting Process Calibrator
700 TLK	Process test lead kit
BP7240	753/754 Spare battery
750 SW	DPC/Track2
BC7240	753/754 Battery charger/eliminator
754HCC	754 HART communication cable

Recommended Accessories



C799
See page 138



TL220-1
See page 130



80PK-8
See page 136



80PK-25
See page 136



700P27
See page 119

725/725Ex/726 Multifunction Process Calibrators

FLUKE®



More calibration power!

725/725Ex/726 Multifunction Process Calibrators

- 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
- For 725Ex version see also page 121 and 122

*Pressure pump required

726 Precision Multifunction Process Calibrator

- 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 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

Features

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	M or S
100.00 mV DC		M or S
30.000V DC measure	M	M or S
20.000V DC Measure 10.000V DC Source 20.000V DC Source		M or S
15 to 3200 Ohms 5 to 4000 Ohms		M or S
Thermocouple J, K, T, E, R, S, B, M, L, U, N, XK, BP		M or S
RTD Cu 10 , Ni120; Pt100 (392); Pt100 (JIS); Pt100, 200, 500, 1000 (385)		M or S
Pressure (requires Fluke 700 PXX Modules)	M	M used as S
Frequency; 10 kHz; (15 kHz)		M or S

M = Measure S = Source/Simulate
Unique 726 features are **in bold**
725Ex: ATEX certified
(Ex ATEX II IG EEX 1a IIB 171°C)

Included Accessories

Test Leads, AC175 Test Clips, one pair of stackable test leads, user's Manuals on CD-ROM (725Ex also includes CGD control drawing, Statement of Quality Assurance Practices, NIST Traceable calibration certificate)

Ordering Information

Fluke 725 Multifunction Process Calibrator
Fluke 725Ex Intrinsically Safe Multifunction Process Calibrator
Fluke 726 Precision Multifunction Process Calibrator

Specifications

Unique 726 features are **in bold**

Function Measure or Source	Range or Type	Resolution	Accuracy	Notes
Voltage	0 to 100 mV 725: 0 to 10V (source) 0 to 20V (source) 725/726: 0 to 30V (measure)	0.01 mV 0.001 V 0.001 V 0.001 V	0.01% 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: 1000Ω 725Ex: 250Ω
mV (TC terminals)	-10.00 mV to +75.00 mV	0.01 mV	0.01% 0.02% of range + 1 LSD	
Ohms	15Ω to 3200Ω 5Ω to 4000Ω	0.01Ω to 0.1Ω	0.10Ω to 1.0Ω 0.015%	
Hz - CPM	2.0 to 1000 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% ±0.05%	Source; 5V p-p 1V - 20 V p-p squarewave, -0.1 V offset
Loop Supply	725/726: 24 V DC 725Ex: 12 V DC	N/A	10%	
T/C	J, K, T, E, L, N, U, XK	0.1 °C, 0.1 °F	to 0.7 °C to 0.2 °C	
T/C	B, R, S, BP	1 °C, 1 °F	to 1.7 °C to 1.2 °C	
RTDs	Cu (10) , Ni 120 (672) Pt 100, 200, 500, 1000 (385) Pt 100 (3916), Pt 100 (3926)	0.01 °C 0.01 °F	to 0.15 °C to 0.2 °C	

Maximum voltage: 30V
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): 200 mm x 96 mm x 47 mm
Weight: 0.65 kg
Battery: Four AA alkaline batteries.
Battery life: 25 hours typical; battery door
Warranty: Three years

Recommended Accessories

(Not for hazardous zones)



C125
See page 138



TL220-1
See page 130



80PK-27
See page 136



TPAK
See page 140



700P27
See page 119

724 Temperature Calibrator



Fluke 724



The temperature solution

The Fluke 724 Temperature Calibrator is a powerful yet easy-to-use calibrator. Use the measure and source functions to test and calibrate almost any temperature instrument.

- Easy to read dual display lets you view input and output simultaneously
- Measure RTDs, thermocouples, ohms, and volts to test sensors and transmitters
- Source/simulate thermocouples, RTDs, volts, and ohms to calibrate transmitters
- Perform fast linearity tests with 25% and 100% steps

- Execute remote tests with auto step and auto ramp
- Power transmitters during test using loop power supply with simultaneous mA measurement
- Store frequently-used test setups for later use

Features

Simultaneous Function Capability	Channel A	Channel B
24.000 mA DC	M	
24.000 mA DC with 24V loop supply	M	
100.00 mV DC		M or S
30.000V DC Measure	M	
20.000V DC Measure 10.000V DC Source		M or S
0 to 3200 Ohms		M or S
Thermocouple J, K, T, E, R, S, B, L, U, N		M or S
RTD Ni120; Pt100 (3926); Pt100 (JIS); Pt100, 200, 500, 1000 (385)		M or S

M = Measure S = Source/Simulate

Specifications

Function Measure or Source	Range	Resolution	Accuracy	Notes
Voltage	0 to 100 mV 0 to 10V (source) 0 to 30V (measure)	0.01 mV 0.01 V 0.001 V	0.02% Rdg + 2 LSD	Max load, 1 mA
mA (measure)	0 to 24 mA	0.001 mA	0.02% Rdg + 2 LSD	Max load, 1000Ω
mV	-10.00 mV to +75.00 mV	0.01 mV	0.025% of range + 1 LSD	
Resistance	0Ω to 3200Ω (measure) 15Ω to 3200Ω (source)	0.01Ω to 0.1Ω	0.10Ω to 1.0Ω	
Loop Supply	24V DC	N/A	10%	
Thermocouples	J, K, T, E, L, N, U	0.1 °C	to 0.7 °C	
Thermocouples	B, R, S	1 °C	to 1.4 °C	
RTDs	Ni120 (672) Pt 100, 200, 500, 1000 (385) Pt 100 (3916) Pt 100 (3926)	0.1 °C	to 0.2 °C	

Maximum voltage: 30V
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): 200 mm x 96 mm x 47 mm
Weight: 0.65 kg
Battery: Four AA alkaline batteries
Battery life: 25 hours typical; battery door
Three Year Warranty

Included Accessories

Test Leads, AC175 Test Clips, one pair of stackable test leads.

Ordering Information

Fluke 724 Temperature Calibrator

Recommended Accessories



C25
See page 138



TL220-1
See page 130



TL81A
See page 129



80PK-25
See page 136



80PK-3A
See page 136

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 AC175 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 138



C550
See page 138



TL970
See page 129



TL220-1 (714)
See page 130



80PK-24 (714)
See page 136

717/718/718Ex/719/719Pro Pressure Calibrators

FLUKE®



Fluke 719Pro



Fluke 717



Fluke 718Ex
See page 122



Fluke 718



Pump up the pressure

717 Pressure Calibrators

- Measure pressure, 0.025% of full scale with internal sensor
 - 1/8 NPT pressure fitting
 - Compatible with non-corrosive gasses and liquids
- Pressure measurement to 690 bar
- Wide range of selectable measurement units for pressure
- Current measurement with 0.015% accuracy and 0.001mA resolution
- Simultaneous pressure and current measurement for easy P/I testing
- 24 volt loop power supply
- Zero, Min-Max, Hold and Damping functions
- Pressure switch test captures set, reset and deadband values

718 Pressure Calibrators

- Same features as Fluke 717 plus:
- Newly designed built-in pressure/vacuum hand pump with vernier and bleed valve helps protect the pump from damage and is easier to clean

719 Electric Pressure Calibrator

- Same features as Fluke 717 plus:
- Electric pump for one handed operation
 - mA source for calibrating I/P devices and 4-20 mA I/O
 - Best in class pressure measurement accuracy of 0.025%
 - Programmable pump limit settings can eliminate overpressurization - set 'pump to' pressure values

719Pro Electric Pressure Calibrator

- Same features as Fluke 717 and 719 plus:
- Measure both mA (24mA) and Vdc (30V), source/simulate up to 24mA
 - Precision temperature measurement (-50 to 150°C) with optional RTD probe
 - Included fluid trap to mitigate chance of fluid damage

Specifications

Model / Ordering Information	Description	Range	Resolution	Accuracy
Fluke 719Pro 30G	Electric Pressure Calibrator	-850 mbar to 2 bar	0.0001 bar	0.025% of range
Fluke 719Pro 150G	Electric Pressure Calibrator	-850 mbar to 10 bar	0.001 bar	0.025% of range
Fluke 719Pro 300G	Electric Pressure Calibrator	-850 mbar to 20 bar	0.001 bar	0.025% of range
Fluke 720RTD	RTD probe for Fluke 721 and 719Pro			
Fluke 720URTD	Universal RTD adapter for Fluke 721 and 719Pro			
Fluke 72071XTrap	Liquid and dirt trap for Fluke 718, 719 and 719Pro			
Fluke 719 30G	Electric Pressure Calibrator	-850 mbar to 7 bar	0.1 mbar	0.025% of range
Fluke 719 100G	Electric Pressure Calibrator	-850 mbar to 7 bar	1 mbar	0.025% of range
Fluke 718 1G	Pressure Calibrator	-68.9 mbar to 68.9 mbar	0.001 mbar	0.05% of range
Fluke 718 30G	Pressure Calibrator	-850 mbar to 2 bar	0.1 mbar	0.025% of range
Fluke 718Ex 30G	Intrinsically Safe Pressure Calibrator	-850 mbar to 2 bar	0.1 mbar	0.025% of range
Fluke 718 100G	Pressure Calibrator	-850 mbar to 7 bar	0.1 mbar	0.025% of range
Fluke 718Ex 100G	Intrinsically Safe Pressure Calibrator	-850 mbar to 7 bar	0.1 mbar	0.025% of range
Fluke 718 300G	Pressure Calibrator	-850 mbar to 20 bar	1 mbar	0.035% of range
Fluke 717 1G	Pressure Calibrator	-68.9 mbar to 68.9 mbar	0.001 mbar	0.05% of range
Fluke 717 15G	Pressure Calibrator	-830 mbar to 1 bar	0.01 mbar	0.035% of range
Fluke 717 30G	Pressure Calibrator	-850 mbar to 2 bar	0.1 mbar	0.035% of range
Fluke 717 100G	Pressure Calibrator	-850 mbar to 7 bar	0.1 mbar	0.035% of range
Fluke 717 300G	Pressure Calibrator	-850 mbar to 20 bar	1 mbar	0.035% of range
Fluke 717 500G	Pressure Calibrator	0 mbar to 34.5 bar	1 mbar	0.035% of range
Fluke 717 1000G	Pressure Calibrator	0 mbar to 69 bar	1 mbar	0.035% of range
Fluke 717 1500G	Pressure Calibrator	0 bar to 103.4 bar	0.01 bar	0.035% of range
Fluke 717 3000G	Pressure Calibrator	0 bar to 207 bar	0.01 bar	0.035% of range
Fluke 717 5000G	Pressure Calibrator	0 bar to 345 bar	0.01 bar	0.035% of range
Fluke 717 10000G	Pressure Calibrator	0 bar to 690 bar	0.01 bar	0.05% of range

For Fluke 717/718/719 models: Supported Pressure Units; psi, in. H₂O(4°C), in. H₂O(20°C), cm H₂O(4°C), H₂O(20°C), bar mBar, kPa, inHg, mmHg, kg/cm²
Functions: Zero, Min, Max, Hold, Damp functions
Max. 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
Fluke 717: For use with non corrosive gasses and liquids
Fluke 718/719: For use with Dry Air only
Three Year Warranty (Pump one year)

721 Precision Dual Pressure Calibrator

New



Fluke 721

Pressure calibration and temperature measurement for custody transfer applications

The Fluke 721 Precision Pressure Calibrator with dual isolated pressure sensors is the ideal tool for gas custody transfer applications allowing you to take simultaneous static and differential pressure measurements with a single tool.

The 721 can be configured by selecting either a 1.1 bar or 2.48 bar low pressure sensor then add any of 7 high pressure ranges including 6.9, 20, 24.5, 69, 103.4, 200, 345 bar.

- Ideal for gas flow calibration (custody transfer) applications
- Two isolated, stainless steel, pressure sensors with 0.025 % accuracy

- Pt100 RTD input for temperature measurement, (probe optional)
- Measures 4 to 20 mA signals
- Internal 24 V loop power supply can power a transmitter under test
- Measure up to 30 V DC, check 24 V loop power supplies
- Extend pressure measurement range with connection to external 700 series pressure modules (29 ranges)
- Large backlit graphic display can display up to three inputs simultaneously
- Store five instrument setups for recall and use

Specifications

(Check the Fluke web for detailed specifications)

Model number / ordering information		Low pressure sensor			High pressure sensor		
		Range 1	Resolution	Accuracy	Range 2	Resolution	Accuracy
Fluke-721-1601	Dual Sensor Pressure Calibrator	-970mbar to 1.1 bar	0.0001 bar	0.025% of range	-830mbar to 6.9 bar	0.0001 bar	0.025% of range
Fluke-721-1603	Dual Sensor Pressure Calibrator	-970mbar to 1.1 bar	0.0001 bar	0.025% of range	-830mbar to 20 bar	0.001 bar	0.025% of range
Fluke-721-1605	Dual Sensor Pressure Calibrator	-970mbar to 1.1 bar	0.0001 bar	0.025% of range	-830mbar to 34.5 bar	0.001 bar	0.025% of range
Fluke-721-1610	Dual Sensor Pressure Calibrator	-970mbar to 1.1 bar	0.0001 bar	0.025% of range	0.00 bar to 69 bar	0.001 bar	0.025% of range
Fluke-721-1615	Dual Sensor Pressure Calibrator	-970mbar to 1.1 bar	0.0001 bar	0.025% of range	0.00 bar to 103 bar	0.01 bar	0.025% of range
Fluke-721-1630	Dual Sensor Pressure Calibrator	-970mbar to 1.1 bar	0.0001 bar	0.025% of range	0.00 bar to 200 bar	0.01 bar	0.025% of range
Fluke-721-1650	Dual Sensor Pressure Calibrator	-970mbar to 1.1 bar	0.0001 bar	0.025% of range	0.00 bar to 345 bar	0.01 bar	0.035% of range
Fluke-721-3601	Dual Sensor Pressure Calibrator	-970mbar to 2.48 bar	0.0001 bar	0.025% of range	-830mbar to 6.9 bar	0.0001 bar	0.025% of range
Fluke-721-3603	Dual Sensor Pressure Calibrator	-970mbar to 2.48 bar	0.0001 bar	0.025% of range	-830mbar to 20 bar	0.001 bar	0.025% of range
Fluke-721-3605	Dual Sensor Pressure Calibrator	-970mbar to 2.48 bar	0.0001 bar	0.025% of range	-830mbar to 34.5 bar	0.001 bar	0.025% of range
Fluke-721-3610	Dual Sensor Pressure Calibrator	-970mbar to 2.48 bar	0.0001 bar	0.025% of range	0.00 bar to 69 bar	0.001 bar	0.025% of range
Fluke-721-3615	Dual Sensor Pressure Calibrator	-970mbar to 2.48 bar	0.0001 bar	0.025% of range	0.00 bar to 103.4 bar	0.01 bar	0.025% of range
Fluke-721-3630	Dual Sensor Pressure Calibrator	-970mbar to 2.48 bar	0.0001 bar	0.025% of range	0.00 bar to 200 bar	0.01 bar	0.025% of range
Fluke-721-3650	Dual Sensor Pressure Calibrator	-970mbar to 2.48 bar	0.0001 bar	0.025% of range	0.00 bar to 345 bar	0.01 bar	0.035% of range
Fluke-720RTD	RTD probe for Fluke 721 and 719Pro						
Fluke-720URTD	Universal RTD adapter for Fluke 721 and 719Pro						
Fluke 71XTrap	Liquid and dirt trap for Fluke 718, 719 and 719Pro						

Supported Pressure Units: psi, in. H₂O(4°C), in. H₂O(20°C), cm H₂O(4°C), cm H₂O(20°C), bar mBar, kPa, inHg, mmHg, kg/cm²

Max Voltage: 30V

Operating temperature: -10°C to 50°C

Safety: CSA C22.2 No. 1010.1:1992

EMC: EN50082-1:1992 and EN55022:1994 Class B

Fluke 721: All media compatible with 316SS

Battery: 4 standard AA alkaline batteries

Three year warranty

700G Series Precision Pressure Test Gauges

FLUKE®

New



Fluke 700G

Accurate and easy to use

The Fluke 700G Series Precision Pressure Test Gauges will give the technicians peace of mind knowing that they offer best-in-class accuracy, standard memory and high durability in a easy to use tool.

- Precision pressure measurement from 20 mbar to 690 bar
- Reference Class Gauges with accuracies to 0.04% of reading
- Normal Gauges accuracy to 0.05% of full scale

- Easy to use, very rugged construction for reliable performance
- Log up to 8493 measurements to memory (requires optional 700G/Track software)
- CSA; Class 1, Div 2, Groups A-D rating
- ATEX rating: II 3 G Ex nA IIB T6
- Absolute pressure range 1, 2, 6.9 and 20 bar absolute
- Combine with 700PTPK or 700HTPK pump kits for a complete pressure testing solution.

Model number / ordering information	Range	Resolution	Accuracy
Fluke -700G01 Pressure Gauge, ±10 inH ₂ O WC (0,4 PSIG)	-20 mbar to 20 mbar	0.001 mbar	0.1% of range
Fluke -700G02 Pressure Gauge, ±30 inH ₂ O WC (1 PSIG)	-70 mbar to 70mbar	0.001 mbar	0.1% of range
Fluke -700G04 Pressure Gauge, ± 15 PSIG	-970mbar to 1 bar	0.0001 bar	positive 0.05% of range, vacuum 0.1% of range
Fluke -700G05 Pressure Gauge, 30 PSIG	-970mbar to 2 bar	0.0001 bar	positive 0.05% of range, vacuum 0.1% of range
Fluke -700G06 Pressure Gauge, 100 PSIG	-830mbar to 6.9 bar	0.0001 bar	positive 0.05% of range, vacuum 0.1% of range
Fluke -700G27 Pressure Gauge, 300 PSIG	-830mbar to 20 bar	0.001 bar	positive 0.05% of range, vacuum 0.1% of range
Fluke -700G07 Pressure Gauge, 500 PSIG	-830 mbar to 34 bar	0.001 bar	positive 0.05% of range, vacuum 0.1% of range
Fluke -700G08 Pressure Gauge, 1000 PSIG	-970mbar to 69 bar	0.001 bar	positive 0.05% of range, vacuum 0.1% of range
Fluke -700G10 Pressure Gauge, 2000 PSIG	-970mbar to 140 bar	0.01 bar	positive 0.05% of range, vacuum 0.1% of range
Fluke -700G29 Pressure Gauge, 3000 PSIG	-970mbar to 200 bar	0.01 bar	positive 0.05% of range, vacuum 0.1% of range
Fluke -700G30 Pressure Gauge, 5000 PSIG	-970mbar to 340 bar	0.01 bar	positive 0.05% of range, vacuum 0.1% of range
Fluke -700G31 Pressure Gauge, 10000 PSIG	-970mbar to 690 bar	0.01 bar	positive 0.05% of range, vacuum 0.1% of range
Fluke -700GA4 Pressure Gauge, 15 PSI A	0 to 1 bar absolute	0.0001 bar	0.05% of range
Fluke -700GA5 Pressure Gauge, 30 PSI A	0 to 2 bar absolute	0.0001 bar	0.05% of range
Fluke -700GA6 Pressure Gauge, 100 PSI A	0 to 6.9 bar absolute	0.0001 bar	0.05% of range
Fluke -700GA27 Pressure Gauge, 300 PSI A	0 to 20 bar absolute	0.001 bar	0.05% of range
Fluke -700RG05 Pressure Gauge, Reference 30 PSIG	-970mbar to 2 bar	0.0001 bar	positive 0.04% of reading + 0.1% of range, vacuum 0.05% of range
Fluke -700RG06 Pressure Gauge, Reference 100 PSIG	-830mbar to 6.9 bar	0.0001 bar	positive 0.04% of reading + 0.1% of range, vacuum 0.1% of range
Fluke -700RG07 Pressure Gauge, Reference 500 PSIG	-830 mbar to 34 bar	0.001 bar	positive 0.04% of reading + 0.1% of range, vacuum 0.1% of range
Fluke -700RG08 Pressure Gauge, Reference 1000 PSIG	-970mbar to 69 bar	0.001 bar	positive 0.04% of reading + 0.1% of range, vacuum 0.1% of range
Fluke -700RG29 Pressure Gauge, Reference 3000 PSIG	-970mbar to 200 bar	0.01 bar	positive 0.04% of reading + 0.1% of range, vacuum 0.1% of range
Fluke -700RG30 Pressure Gauge, Reference 5000 PSIG	-970mbar to 340 bar	0.01 bar	positive 0.04% of reading + 0.1% of range, vacuum 0.1% of range
Fluke -700RG31 Pressure Gauge, Reference 10000 PSIG	-970mbar to 690 bar	0.01 bar	positive 0.04% of reading + 0.1% of range, vacuum 0.1% of range

Dimensions (HxWxD): 12.7 cm x 11.4 cm x 3.7 cm
Pressure connection: ¼ in NPT Male
Housing/Weight: Cast ZNAl 0.56 kg with holster
Display: 5-1/2 digits, 16.53 mm high 20-segment bar graph, 0 to 100%

Power: Three (3) AA alkaline batteries
Battery life: 1,500 hours without backlight (continuous on), 2,000 hours at slow sample rate
Three years warranty



Fluke-700PTPK Pneumatic Test kit

- Pump with hoses, adapters and case
- Combine with any Fluke-700G Gauge up to 69 bar
- Generate pressure up to 40 bar with the 700PTP-1 hand pump
- Hard case protects pump and gauge and allows gauge to stay connected to the pump



Fluke-700HTPK Hydraulic Test kit

- Pump with hoses, adapters and case
- Combine with any Fluke-700G Gauge from 69 bar and higher
- Generate pressure up to 690 bar with the 700HTP-2 hand pump
- Hard case protects pump and gauge and allows gauge to stay connected to the pump



700G Track software

- Use with 700G Series gauges to perform real time data logging to PC
- Configure gauge and download logged data from gauge
- Includes communication cable for USB connection to PC

709 / 709H Precision Loop Calibrators

FLUKE®

New



Fluke 709/709H

Fluke reliable. HART compatible.

The Fluke 709 and 709H mA loop calibrators are designed to save time and produce high-quality results. These calibrators are built around a user friendly interface with a Quick-Set rotary encoder knob. This tool reduces the time it takes to measure, or source, current and power up a loop. The protective holster easily fits into a technician's hand and the large backlit display is easy to read, even in dark, cramped worked areas.

In addition, the 709H offers:

- Logging of HART data in the field. Once recorded by the 709H in the field, the 709H/TRACK software can upload the HART configuration of up to (20) HART devices in your plant and output data in either (.csv) or (.txt) format.
- Data logged mA loop measurements and HART data can be recorded from a particular transmitter for troubleshooting and loop tuning. The data log feature offers selectable capture with recording intervals of 1 to 60 seconds and a logging capacity of 9800 records or 99 individual sessions. Each data sample contains the 709H mA measurement, all four process variables, and the standard status conditions.

Features

- Best-in-class accuracy at 0.01% reading
- Compact rugged design
- Intuitive user interface with Quick-Set knob for fast setup, easy use
- 24 V DC loop power with mA measure mode (-25% to 125%)
- Resolution of 1 μ A on mA ranges and 1 mV on voltages ranges
- Built in selectable 250 Ω resistor for HART communications
- Simple two wire connection for all measurements
- Auto shutdown to conserve battery life
- Variable step and ramp time in seconds
- Valve test (source and simulate defined mA values with % keys)

Specifications

Functions	mA source, mA simulate, mA read, mA read/loop power, and volts read
Ranges	mA (0 to 24mA) and Volts (0 to 30VDC)
Resolution	1 μ A on mA ranges and 1mV on voltage range
Accuracy	0.01% +/- 2 counts all ranges (@23° +/- 5°C)
Operating temperature Range	-10 °C to 55 °C
Humidity range	10 to 95% non-condensing
Stability	20ppm of F.S. /°C from -10°C to 18°C and 28°C to 55°C
Display	128 x 64 pixels, LCD Graphic w/backlight, .34" high digits
Loop Compliance Voltage	24VDC @ 20mA
Over-Voltage Protection	240VAC
Overload Current Protection	28mA DC
EMC	EN61326 Annex A (Portable Instruments)

Power: 6 AAA alkaline
Dimensions (HxWxD): 150 x 90 x 30 mm
Battery life: \geq 40 hours continuous use (measure mode using alkaline)

Weight: 0.3 kg
Warranty: Three years

Recommended Accessories



709H Track Software/cable



Included Accessories

Two AC175 alligator clips (709)
 TL75 test leads (709)
 Extended tooth alligator clip set (709H)
 75X-8014 stackable lead set (709H)
 TP220 test probes (709H)
 AC280 SureGrip™ hook clips (709H)
 HART cable (709H only)
 Soft case
 Six AAA batteries (installed)
 709/709H Product manual CD-ROM
 709/709H Quick reference guide
 709/709H Safety information

Ordering Information

Fluke 709 Precision Loop Calibrator
 Fluke 709H Precision HART Loop Calibrator

705/707/707Ex/715 Loop Calibrators

FLUKE®



Fluke 705



Fluke 715



Fluke 707



Fluke 707Ex



4-20 mA, source, measure, simulate

705 Loop Calibrator

- Simultaneous mA and %
- mA accuracy of 0.02%
- Measure, source and simulate mA
- Push button 25% steps for fast, easy linearity checks
- “Span Check” for fast confirmation of zero and span
- Selectable slow ramp, fast ramp, and step function
- 24 volt internal loop supply
- 0 - 20 mA or 4 - 20 mA default start up modes

707 Loop Calibrator

- Features of the Fluke 705
- “Quick Click” detented rotary knob for one handed operation
- Higher accuracy: 0.015%
- Mains Voltage Input protection
- 250 Ohm loop resistance for with Hart instrumentation

715 Volt/mA Calibrator

- Measure loop current (0-20 mA, 4-20 mA) signals with 0.015% accuracy and 0.001 mA resolution
- Measure voltage output process signals from PLCs, transmitters
- Source or simulate 24 mA loop current
- Source voltage to 100 mV or 10 V
- 24 V loop supply with simultaneous current measurement

707Ex Intrinsically Safe Loop Calibrator

- Same features as Fluke 707
- For use in explosion endangered areas
- ATEX certified (II 2 G Eex ia IIC T4)

Specifications

Functions	705/707/707 Ex	715
Voltage measurement		
Range	0-28 V DC	0-200 mV, 0-20 V
Resolution	1 mV	10 μ V 1 mV
Accuracy	705: 0.025% Rdg + 2 LSD 707/707Ex: 0.015% Rdg + 2 LSD	0.01% Rdg + 2 LSD
Current measurement		
Range	0-24 mA	0-24 mA
Resolution	0.001 mA	0.001 mA
Accuracy	705: 0.025% Rdg + 2 LSD 707/707Ex: 0.015% Rdg + 2 LSD	0.015%
Current sourcing		
Range	0-20 mA or 4-20 mA ¹	0-20 mA or 4-20 mA ¹
Accuracy	705: 0.025% Rdg + 2 LSD 707/707Ex: 0.015% Rdg + 2 LSD	0.015% + 2 LSD
Drive capability	705: 1000 Ω @ 24 mA 707: 1200 Ω @ 24 mA 707Ex: 700 Ω @ 20 mA	1000 Ω @ 24 mA
Loop power while measuring mA	24 V	24 V
Voltage sourcing	N/A	0-100 mV or 0-10 V
Display current and % of span	Yes	mA or %
Auto step, auto ramp	Yes	Yes
Span Check	Yes	Yes

¹ will over-range to 24 mA

Included Accessories

Fluke 705/707: C10 Yellow Holster, Test Leads, AC175 Alligator Clips, Single 9V alkaline battery, Instruction Sheet

Fluke 707Ex: Red Ex-holster, Test Leads, AC175 Alligator Clips, Single 9V alkaline battery, Instruction Sheet

Fluke 715: Yellow Holster (H80M excl. TPAK), Test Leads and AC175 Alligator Clips, Single 9V alkaline battery, Instruction Sheet

Ordering Information

Fluke 705 Loop Calibrator
 Fluke 707 Loop Calibrator
 Fluke 707Ex Intrinsically Safe Loop Calibrator
 Fluke 715 Volt/mA Calibrator

Fluke 705, 707, 707Ex

Maximum voltage: 30 V (28 V - 707Ex)
Operating temperature: -10 to 55°C
Safety: CSA C22.2 No. 1010.1: 1992
 EMC: EN50082-1:1992 and EN55022: 1994 Class B
Size (HxWxD): 164 mm x 75 mm x 47 mm;
Weight: 0.35 kg
Battery: One 9 V alkaline
Battery life: 18 hours typical, at 12 mA
Three Year Warranty

715

Size (HxWxD): 201 mm x 98 mm x 52 mm
Weight: 0.6 kg
Battery: One 9V alkaline
Battery life: 4 to 20 hours
Three Year Warranty

Recommended Accessories

(Not for hazardous zones)



C12A (705/707)
See page 138



C25 (715)
See page 138



TL220-1
See page 130



TP920
See page 129



T PAK (715)
See page 140

771, 772 and 773 mA Process Clamp Meters

FLUKE®



Fluke 771



Fluke 772



Fluke 773

mA measurements without breaking the loop. Save time. Save money.

Fluke 771, 772 and 773

- Measure 4 to 20 mA signals without “breaking the Loop,” save time and money troubleshooting 4 to 20 mA signals

Fluke 772 and 773

- Source 4 to 20 mA signals for testing control system I/O or I/Ps
- Simulate 4 to 20 mA signals for testing control system I/O
- Measure 4 to 20 mA signals with in-circuit measurement
- Power a transmitter with the 24 V loop power supply
- Automatically ramp and step change the 4 to 20 mA output for remote testing

Fluke 773

- DC voltage measurement to verify 24 V power supplies or voltage I/O signals
- Source DC voltage to test voltage input devices
- Scaled mA output signal enables a logging DMM (289) to record 4 to 20 mA signal without breaking the loop
- mA in/out: simultaneously source a mA signal while measuring a mA signal with the clamp

Features

	771	772	773
mA measure w/jaw	●	●	●
mA measure in circuit		●	●
mA source		●	●
mA sim		●	●
Loop power 24 V		●	●
DCV source 0-10 V			●
DCV measure 0-30 V			●
Scaled mA output to mA input			●
mA in/out			●

Specifications

	Function	Resolution and range	Accuracy	Notes
771, 772, 773	mA measurement	0 to 20.99 mA 21.0 mA to 100.0 mA	0.2 % + 5 counts 1 % + 5 counts	Measured by clamp
772 and 773	mA measurement	0 to 24.00 mA	0.2 % + 2 counts	Measured in series with test jacks
772 and 773	mA source	0 to 24.00 mA	0.2 % + 2 counts	Maximum mA drive: 24 mA into 1,000 ohms
772 and 773	mA simulate	0 to 24.00 mA	0.2 % + 2 counts	Maximum voltage 50 V dc
773	Voltage source	0 to 10.00 V dc	0.2 % + 2 counts	2 mA maximum drive current
773	Voltage measure	0 to 30.00 V dc	0.2 % + 2 counts	

Included Accessories

Fluke 771: soft carrying case and user's manual
Fluke 771 + 772: plus test leads, AC175 alligator clip set and TL940 mini-hook test lead set

Ordering Information

Fluke 771 Milliamp Process Clamp Meter
Fluke 772 Milliamp Process Clamp Meter
Fluke 773 Milliamp Process Clamp Meter

Size (HxWxD):

771: 212 mm x 59 mm x 38 mm
772 + 773: 248 mm x 76 mm x 41 mm

Weight: 771: 0.26 kg

772 + 773: 0.42 kg

Battery: 771: 2x 1.5V Alkaline, IEC LR6

772 + 773: 4x 1.5V Alkaline, IEC LR6

Battery Life: 771: 20 hours typical

772 + 773: 12 hours @ 12 mA source into 500 ohms

IP Rating: IP 40

Warranty: 3 years, 1 year on mA clamp accessory and cable

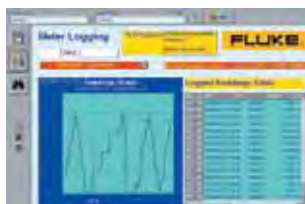
787/789 ProcessMeters



Fluke 787



Fluke 789



True RMS

Double your power

The Fluke 787 and 789 ProcessMeters combine a Digital Multimeter and a Loop Calibrator in one rugged handheld tool, giving process technicians double the power.

The Fluke 789 has a built-in 24 V loop supply which reduces the need for taking a separate power supply when doing offline transmitter testing. The IR communication port of the Fluke 789 allows data to be logged to optional

FlukeView Software for graphical analysis and reporting.

Features

	787	789
DMM and Loop Calibrator in one tool	●	●
Precision 1000 V, 440 mA True RMS Digital Multimeter	●	●
DC current source and Loop Calibrator	●	●
24 V Loop power supply		●
Min/Max / Average / Hold / Relative Modes	●	●
Diode Test and Continuity Beeper	●	●
Manual Step (100%, 25%, Coarse, Fine) plus Auto Step and Auto Ramp	●	●
Simultaneous mA and % of scale read-out	●	●
Externally accessible battery / fuses	●/-	●/●
HART mode setting with loop power and a built-in 250 Ω resistor		●
0% and 100% buttons to toggle between 4 and 20 mA sourcing for a quick span check		●
Infrared I/O serial port		●

Specifications

	787	789
Voltage measurements		
Range	0-1000 V AC or DC	0-1000 V AC or DC
Resolution	0.1 mV to 1.0 V	0.1 mV to 1.0 V
Accuracy	0.1% Rdg+1 LSD (V DC)	0.1% Rdg+1 LSD (V DC)
Current measurement		
Range	0-1 A 0-30 mA	0-1 A 0-30 mA
Resolution	1 mA 0.001 mA	1 mA 0.001 mA
Accuracy	0.2%+2 LSD 0.05%+2 LSD	0.2%+2 LSD 0.05%+2 LSD
Current Sourcing		
Range	0-20 mA or 4-24 mA	0-20 mA or 4-24 mA
Accuracy	0.05% of span	0.05% of span
Other specifications		
Max drive capability	500 Ω	1200 Ω
Loop power	N/A	24 V
Resistance measurement	To 40 MΩ, 0.2%+1 LSD	To 40 MΩ, 0.2%+1 LSD
Frequency	To 19.999 kHz, 0.005%+1 LSD	To 19.999 kHz, 0.005%+ LSD
Continuity	Beeps for resistance < 100 Ω	Beeps for resistance < 100 Ω
Span Check	No	Yes

Included Accessories

787: Yellow Holster (H80M excl. TPAK), Hard Point Test Lead Set plus AC175 Alligator Clips, one 9V battery, user manual
 789: Test Lead Set plus AC175 Alligator Clips, four 9V AA alkaline batteries, user manual and quick reference guide.

Ordering Information

Fluke 787 ProcessMeter
 Fluke 789 ProcessMeter
 FVF-SC2 FlukeView Forms Software including interface cable

Maximum voltage: 1000 V
Operating temperature: -20 to 55°C

787
Size (HxWxD): 201 mm x 98 mm x 52 mm
Weight: 0.642 kg
Battery: One 9 V alkaline
Battery life: 12 to 50 hours typical
Three Year Warranty

789
Size (HxWxD): 203 mm x 100 mm x 50 mm
Weight: 0.6 kg
Battery: Four AA alkaline batteries
Battery life: 14 to 140 hours typical
Three Year Warranty

Recommended Accessories



C125
See page 138



TL220-1
See page 130



80T-150U
See page 136



i400
See page 134



i410
See page 135

Field Calibrator Accessories



Fluke 700 Series Pressure Modules

- Ranges from 2.5 mbar to 700 bar.
- Gage, differential, dual (compound), absolute and vacuum modules
- Very high accuracy: up to 0.025% FS
- Features internal temperature compensation from 0°C to 50°C for full-accuracy performance
- Pressure readings update twice per second, and may be displayed in any of 11 different units
- Compatible with Fluke 717, 718, 725 and 75x series.
- Rugged cases protect the modules from harsh environments
- All modules include NIST traceable certificate and test data
- ATEX certified Ex versions available (Ex II 1 Eex ia IIB T4)

Model		Range (approx.)	Resolution uncertainty (23 ± 3°C) (FS)	Reference	High side media	Low side media	Fitting material	Max overpressure ²⁾
Differential								
700P00		2.5 mbar	0.001 mbar	0.3 %	Dry ¹⁾	Dry ¹⁾	316 SS	30x
700P01/700P01Ex	Ex	25 mbar	0.01 mbar	0.2 %	Dry	Dry	316 SS	3x
700P02		70 mbar	0.007 mbar	0.15 %	Dry	Dry	316 SS	3x
700P22		70 mbar	0.007 mbar	0.1 %	316 SS	Dry	316 SS	3x
700P03		340 mbar	0.01 mbar	0.05 %	Dry	Dry	316 SS	3x
700P23		340 mbar	0.01 mbar	0.025 %	316 SS	Dry	316 SS	3x
700P04		1000 mbar	0.1 mbar	0.025 %	Dry	Dry	316 SS	3x
700P24/700P24Ex	Ex	1001 mbar	0.1 mbar	0.025 %	316 SS	Dry	316 SS	3x
Gage								
700P05/700P05Ex	Ex	2 bar	0.1 mbar	0.025 %	316 SS	N/A	316 SS	3x
700P06/700P06Ex	Ex	7 bar	0.7 mbar	0.025 %	316 SS	N/A	316 SS	3x
700P27/700P27Ex	Ex	20 bar	1 mbar	0.025 %	316 SS	N/A	316 SS	3x
700P07		34 bar	1 mbar	0.025 %	316 SS	N/A	316 SS	3x
700P08		70 bar	7 mbar	0.025 %	316 SS	N/A	316 SS	3x
700P09/700P09Ex	Ex	100 bar	10 mbar	0.025 %	316 SS	N/A	316 SS	2x
Absolute								
700PA3		340 mbar	0.01 mbar	0.05 %	316 SS	N/A	316 SS	3x
700PA4/700PA4Ex	Ex	1000 mbar	0.1 mbar	0.05 %	316 SS	N/A	316 SS	3x
700PA5		2 bar	0.1 mbar	0.05 %	316 SS	N/A	316 SS	3x
700PA6		7 bar	0.7 mbar	0.05 %	316 SS	N/A	316 SS	3x
Vacuum								
700PV3		-340 mbar	0.01 mbar	0.04 %	316 SS	Dry	316 SS	3x
700PV4		-1000 mbar	0.1 mbar	0.04 %	316 SS	Dry	316 SS	3x
Dual								
700PD2		± 70 mbar	0.007 mbar	0.15 %	316 SS	Dry	316 SS	3x
700PD3		± 340 mbar	0.01 mbar	0.04 %	316 SS	Dry	316 SS	3x
700PD4		±1000 mbar	0.1 mbar	0.025 %	316 SS	Dry	316 SS	3x
700PD5		-1000/+2000 mbar	0.1 mbar	0.025 %	316 SS	N/A	316 SS	3x
700PD6		-1000 mbar/+6.9 bar	1 mbar	0.025 %	316 SS	N/A	316 SS	3x
700PD7		-1000 mbar/+13.8 bar	1 mbar	0.04 %	316 SS	N/A	316 SS	3x
High								
700P29/700P29Ex	Ex	200 bar	0.01 bar	0.05 %	C276	N/A	C276	2x
700P30		340 bar	0.05 %	0.05 %	C276	N/A	C276	2x
700P31		700 bar	0.07 bar	0.05 %	C276	N/A	C276	1.5x

1) "Dry" indicates dry air or non-corrosive gas as compatible media. "316 S S" indicates media compatible with Type 316 Stainless Steel. "C276" indicates media compatible with Hastelloy C276.
 2) Maximum overpressure specification includes common mode pressure.

Other accessories



Fluke 700HTP-2



Fluke 700LTP-1



Fluke 700PTP-1

700LTP-1 Low-pressure Test Pump

- For low pressure applications
- Vacuum to -13 psi / -.90 bar
- Pressure to 100 psi / 6.9 bar
- With fine-control, adjustable relief valve and slow bleed capability

700PTP-1 Pneumatic Test Pump-1

- Handheld pressure pump
- Pressures up to 600 psi, 40 bar

700HTP-2 Hydraulic Test Pump

- Pressures up to 10,000 psi/690 bar.

700PRV-1 Pressure Relief Valve

- Pressure relief valve for 700HTP-1
- Adjustable from 725 to 5800 PSI (50 to 200 bar)

700HTH-1 Hydraulic Test Hose

- Hydraulic test hose is a 10,000 psi, 690 bar

700ILF In-Line Filter for the Fluke 718

700PCK Pressure Module Calibration Kit

BE9005 Battery Eliminator