

Fluke 750PD2 Dual Pressure Module 1 psi to 1 psi

PRESSURE MODULE, -1 TO 1 PSI (-70 TO 70 MBAR), (-7 TO 7 KPA) COMPOUND

- 0.025 % reference uncertainty
- 6-month and 1-year specifications
- Temperature compensated 0 °C to 50 °C
- Digital communication to calibrators, no analog losses or errors
- Broad selection of ranges
- Gage, differential, dual range, absolute and vacuum measurement models

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A Complete Family of Pressure Modules

A family of 48 pressure modules covers pressure calibrations from 0 to 1 inH₂O to 10,000 psi (2.5 mBar to 690 bar).

Gage pressure modules have one pressure fitting and measure the pressure with respect to atmospheric pressure. Differential pressure modules have two pressure fittings and measure the difference between the applied pressure on the high fitting versus the low fitting. Each module is clearly labeled for range, overpressure and media compatibility. All modules include NPT, metric (BSP) and M20 adapters. Compatible with all documenting, multifunction and pressure calibrators (including: Fluke 754, 752, 726, 725, 721, 719Pro, 719, 717 and legacy 741, 743, 744, 701 and 702 calibrators).

Quick and Easy Measurements

Fluke 750P Series Pressure Modules are easy to use. To measure pressure, connect the pressure module to a pressure source or hand pump and then connect the pressure module cable to the calibrator. Apply pressure from the pressure source and it is displayed digitally on the calibrator. At the touch of a button, the pressure may be displayed in up to 11 different engineering units. When used with the 750 Series Documenting Process Calibrators, pressure readings can be date/time stamped and stored electronically for later retrieval. This saves time, eliminates errors, and supports compliance with quality standards and regulations.

Manufacturer Specs

Differential Module Specifications				
Model	Parameter / Range	Burst Rating ⁶	Hi Side Media ²	Lo Side Media ²

750P00	0 to 1 inH ₂ O (0 to 2.5 mBar)	30X	Dry Air	Dry Air	
750P01	0 to 10 inH ₂ O (0 to 25 mBar)	3X	Dry Air	Dry Air	
750P02	0 to 1 psi (0 to 70 mBar)	3X	Dry Air	Dry Air	
750P22	0 to 1 psi (0 to 70 mBar)	3X	316 SS	Dry Air	
750P03	0 to 5 psi (0 to 350 mBar)	3X	Dry Air	Dry Air	
750P23	0 to 5 psi (0 to 350 mBar)	4X	316 SS	Dry Air	
750P04	0 to 15 psi (0 to 1 bar)	3X	Dry Air	Dry Air	
750P24	0 to 15 psi (0 to 1 bar)	4X	316 SS	Dry Air	
Model	Reference Uncertainty⁴	Total Uncertainty 1-year (15-35°C)	Total Uncertainty 1-year¹	Total Uncertainty 6-month (15-35°C)	Total Uncertainty 6-month¹
750P00	±0.15%	±0.3%	±0.35%	±0.25%	±0.30%
750P01	±0.1%	±0.2%	±0.3%	±0.15%	±0.25%
750P02	±0.050%	±0.1%	±0.15%	±0.075%	±0.125%
750P22	±0.050%	±0.1%	±0.15%	±0.075%	±0.125%
750P03	±0.02%	±0.04%	±0.05%	±0.035%	±0.04%
750P23	±0.02%	±0.04%	±0.05%	±0.035%	±0.04%
750P04	±0.0175%	±0.035%	±0.045%	±0.03%	±0.04%
750P24	±0.0175%	±0.035%	±0.045%	±0.03%	±0.04%

Gage Module Specifications				
Model	Parameter / Range	Burst Rating⁶	Hi Side Media²	Lo Side Media²
750P05	0 to 30 psi (0 to 2 bar)	4X	316 SS	
750P06	0 to 100 psi (0 to 7 bar)	4X	316 SS	
750P27	0 to 300 psi (0 to 20 bar)	4X	316 SS	
750P07	0 to 500 psi (0 to 35 bar)	4X	316 SS	
750P08	0 to 1000 psi (0 to 70 bar)	3X	316 SS	
750P09	0 to 1500 psi (0 to 100 bar)	3X	316 SS	
750P2000	0 to 2000 psi (0 to 140 bar)	3X	316 SS	

Model	Reference Uncertainty ⁴	Total Uncertainty 1-year (15-35°C)	Total Uncertainty 1-year ¹	Total Uncertainty 6-month (15-35°C)	Total U 6-
750P05	±0.0175%	±0.035%	±0.045%	±0.03%	±
750P06	±0.0175%	±0.035%	±0.045%	±0.03%	±
750P27	±0.0175%	±0.035%	±0.045%	±0.03%	±
750P07	±0.0175%	±0.035%	±0.045%	±0.03%	±
750P08	±0.0175%	±0.035%	±0.045%	±0.03%	±
750P09	±0.0175%	±0.035%	±0.045%	±0.03%	±
750P2000	±0.0175%	±0.035%	±0.045%	±0.03%	±

High Pressure Module Specifications

Model	Parameter / Range	Burst Rating ⁶	Hi Side Media ²	Lo Si	
750P29	0 to 3000 psi (0 to 200 bar)	3X	316 SS		
750P30	0 to 5000 psi (0 to 340 bar)	3X	316 SS		
750P31	0 to 10000 psi (0 to 700 bar)	2X	316 SS		
Model	Reference Uncertainty ⁴	Total Uncertainty 1-year (15-35°C)	Total Uncertainty 1-year ¹	Total Uncertainty 6-month (15-35°C)	Total U 6-
750P29	±0.0175%	±0.035%	±0.045%	±0.03%	±
750P30	±0.0175%	±0.035%	±0.045%	±0.03%	±
750P31	±0.0175%	±0.035%	±0.045%	±0.03%	±

Absolute Module Specifications

Model	Parameter / Range	Burst Rating ⁶	Hi Side Media ²	Lo Si
750PA3	0 to 5 psia (0 to 350 mBar)	4X	316 SS	
750PA4	0 to 15 psia (0 to 1 bar)	4X	316 SS	
750PA5	0 to 30 psia (0 to 2 bar)	4X	316 SS	
750PA6	0 to 100 psia (0 to 7 bar)	4X	316 SS	
750PA27	0 to 300 psia (0 to 20 bar)	4X	316 SS	
750PA7	0 to 500 psia (0 to 35 bar)	4X	316 SS	

750PA8	0 to 1000 psia (0 to 70 bar)		3X	316 SS	
750PA9	0 to 1500 psia (0 to 100 bar)		3X	316 SS	
Model	Reference Uncertainty⁴	Total Uncertainty 1-year (15-35°C)	Total Uncertainty 1-year¹	Total Uncertainty 6-month (15-35°C)	Total U 6-
750PA3	±0.03%	±0.06%	±0.07%	±0.05%	±
750PA4	±0.03%	±0.06%	±0.07%	±0.05%	±
750PA5	±0.03%	±0.06%	±0.07%	±0.05%	±
750PA6	±0.03%	±0.06%	±0.07%	±0.05%	±
750PA27	±0.03%	±0.06%	±0.07%	±0.05%	±
750PA7	±0.03%	±0.06%	±0.07%	±0.05%	±
750PA8	±0.03%	±0.06%	±0.07%	±0.05%	±
750PA9	±0.03%	±0.06%	±0.07%	±0.05%	±

Vacuum Module Specifications

Model	Parameter / Range	Burst Rating⁶	Hi Side Media²	Lo Si	
750PV3	-5 psi (-350 mBar)	4X	316 SS	D	
750PV4	-15 psi (-1 bar)	4X	316 SS	D	
Model	Reference Uncertainty⁴	Total Uncertainty 1-year (15-35°C)	Total Uncertainty 1-year¹	Total Uncertainty 6-month (15-35°C)	Total U 6-
750PV3	±0.03%	±0.06%	±0.07%	±0.05%	±
750PV4	±0.03%	±0.06%	±0.07%	±0.05%	±

Dual Range Specifications

Model	Parameter / Range	Burst Rating⁶	Hi Side Media²	Lo Side Media²
750PD2	-1 to 1 psi (-70 to 70 mBar)	4X	316 SS	Dry Air
750PD3	-5 to 5 psi (-350 to 350 mBar)	4X	316 SS	Dry Air
750PD10	-10 to 10 psi (-700 to 700 mBar)	4X	316 SS	Dry Air
750PD4	-15 to 15 psi (-1 to 1 bar)	4X	316 SS	Dry Air
750PD5	-15 to 30 psi (-1 to 2 bar)	4X	316 SS	—

750PD50	-15 to 50 psi (-1 to 3.5 bar)	4X	316 SS	—	
750PD6	-15 to 100 psi (-1 to 7 bar)	4X	316 SS	—	
750PD7	-15 to 200 psi (-1 to 14 bar)	4X	316 SS	—	
750PD27	-15 to 300 psi (-1 to 20 bar)	4X	316 SS	—	
Model	Reference Uncertainty⁴	Total Uncertainty 1-year (15-35°C)	Total Uncertainty 1-year¹	Total Uncertainty 6-month (15-35°C)	Total Uncertainty 6-month¹
750PD2	±0.05%	±0.1%	±0.15%	±0.075%	±0.125%
750PD3	±0.03%	±0.06%	±0.07%	±0.05%	±0.06%
750PD10	±0.025%	±0.05%	±0.07%	±0.04%	±0.06%
750PD4	±0.0175%	±0.035%	±0.045%	±0.03%	±0.04%
750PD5	±0.0175%	±0.035%	±0.045%	±0.03%	±0.04%
750PD50	±0.0175%	±0.035%	±0.045%	±0.03%	±0.04%
750PD6	±0.0175%	±0.035%	±0.045%	±0.03%	±0.04%
750PD7	±0.0175%	±0.035%	±0.045%	±0.03%	±0.04%
750PD27	±0.0175%	±0.035%	±0.045%	±0.03%	±0.04%

Reference Module Specifications				
Model	Parameter / Range	Burst Rating⁶	Hi Side Media²	Lo Side Media²
750R04⁵	0 to 15 psi (0 to 1 bar)	3X	Dry Air	Dry Air
750R06⁵	0 to 100 psi (0 to 7 bar)	4X	316 SS	—
750R27	0 to 300 psi (0 to 20 bar)	4X	316 SS	—
750R07	0 to 500 psi (0 to 35 bar)	4X	316 SS	—
750R08⁵	0 to 1000 psi (0 to 70 bar)	3X	316 SS	—
750R29	0 to 3000 psi (0 to 200 bar)	3X	316 SS	—
750R30	0 to 5000 psi (0 to 340 bar)	3X	316 SS	—
750R31⁵	0 to 10000 psi (0 to 700 bar)	2X	316 SS	—
750RD5	-15 to 30 psi (-1 to 2 bar)	4X	Dry Air	—
750RD6⁵	-12 to 100 psi (-1 to 7 bar)	4X	316 SS	—
750RD27	-12 to 300 psi (-0.8 to 20 bar)	4X	316 SS	—

Model	Reference Uncertainty ⁴	Total Uncertainty 1-year (15-35°C)	Total Uncertainty 1-year ¹	Total Uncertainty 6-month (15-35°C)	Total Uncertainty 6-month ¹
750R04 ⁵	±0.01% of FS	±0.02% of FS	±0.04% of FS	±0.015% of FS	±0.035% of FS
750R06 ⁵	±0.01% of FS	±0.02% of FS	±0.04% of FS	±0.015% of FS	±0.035% of FS
750R27	±0.01% of FS	±0.02% of FS	±0.04% of FS	±0.015% of FS	±0.035% of FS
750R07	±0.01% of FS	±0.02% of FS	±0.04% of FS	±0.015% of FS	±0.035% of FS
750R08 ⁵	±0.01% of FS	±0.02% of FS	±0.04% of FS	±0.015% of FS	±0.035% of FS
750R29	±0.01% of FS	±0.02% of FS	±0.04% of FS	±0.015% of FS	±0.035% of FS
750R30	±0.01% of FS	±0.02% of FS	±0.04% of FS	±0.015% of FS	±0.035% of FS
750R31 ⁵	±0.01% of FS	±0.02% of FS	±0.04% of FS	±0.015% of FS	±0.035% of FS
750RD5	±0.01% of FS	±0.02% of FS	±0.04% of FS	±0.015% of FS	±0.035% of FS
750RD6 ⁵	±0.01% of FS	±0.02% of FS	±0.04% of FS	±0.015% of FS	±0.035% of FS
750RD27	±0.01% of FS	±0.02% of FS	±0.04% of FS	±0.015% of FS	±0.035% of FS

1. Total uncertainty, % of full span for temperature range 0°C to +50°C, one year interval. Total uncertainty, 1.0% of full span for temperature range -10°C to 0°C.

2. "Non-corrosive gasses" indicates dry air or non-corrosive gas as compatible media. "Stainless Steel 316-SS" indicates media compatible with Type Steel.

3. Specifications % of Full Span unless otherwise noted.

4. Reference Uncertainty is the specification for as left data for 24 hours.

5. When reference class modules are used with fixed resolution products (717, 718, 719 series, 725 and 726) calibrators add ±1 count to the overall accuracy specification.

6. Burst rating specification refers to the multiplier times full scale of the module for the rated burst pressure.

Tech Specs

Accessories/Pressure Calibrator Modules Template

Multi-Function Modules

No

Pressure (Draft)

Yes

Resolution (pressure)

70 mBar (4826.33 psi)

Gauge

No

Vacuum	No
Absolute	No
Compound	No
Differential	No
Current module	No
Temperature Module	No
Loop Calibrator Module	No

Test Equipment General Attributes

Unique Features	0.025 % reference uncertainty. 6-month and 1-year specifications. Temperature compensated 0 °C to 50 °C. Digital communication to calibrators, no analog losses or errors. Broad selection of ranges. Gage, differential, dual range, absolute and vacuum measurement models.
Warranty	3 YEARS
Product Weight	1.84 LBS
Product Height	3.35 IN
Product Length	11.42 IN
Product Width	1.09 IN
Shipping Weight	2.02 LBS
<u>Data Logging</u>	No
Country of Origin	China
Shipping Height	3.35 IN
UPC	095969673556
Shipping Length	11.42 IN
Shipping Width	1.09 IN