

TECHNICAL DATA

Fluke 750P Series Pressure Modules



Key features

- A complete family of precision pressure modules
- Covers workloads from 1 inH₂O to 10,000 psi (2.5 mBar to 690 bar)
- 8 intrinsically safe models for use with Fluke 718EX or 725EX
- Reduce errors by digitally sending measurements to calibrators
- Precision measurements with reference uncertainties up to 0.01%

Product overview: Fluke 750P Series Pressure Modules

Fluke 750P Series Pressure Modules will turn your [Fluke multifunction calibrator](#) into a full-fledged pressure calibrator. These flexible modules not only work with multifunction calibrators like the [725](#), [726](#) or [750 Series Calibrators](#) but also extend the measurement range of [Fluke pressure calibrators](#). Since the pressure modules are calibrated independently, they can be swapped from one calibrator to another without a loss of accuracy or traceability.

Measuring pressure with Fluke 750P Series Pressure modules is as easy as connecting the module to a pressure source or hand pump, connecting the pressure module cable to the calibrator and then applying pressure from the pressure source. At the touch of a button the measured pressure is displayed digitally on the calibrator in up to 11 different engineering units quickly giving you the data you need. And, with “no tools required” connectors you don’t even need to reach for a wrench to make connections.

When used with the 750 Series Documenting Process Calibrators pressure readings can even be date/time stamped and stored in documented calibration records for later retrieval. This saves time, eliminates errors, and supports compliance with quality standards and regulations.

A complete family of pressure modules

With over 50 pressure modules covering pressure calibration and measurement workloads from 1 inH₂O to 10,000 psi (2.5 mBar to 690 bar) finding a model to meet the needs of your specific application is easier than ever. All modules include NPT, metric (BSP) and M20 adapters.

Choose from:

- Differential modules
- Gage modules
- High pressure modules
- Absolute modules
- Vacuum modules
- Dual range modules
- Reference modules
- Intrinsically safe modules

With more than 50 pressure modules to choose from, some of the more popular modules include:

- Fluke 750P00
- Fluke 750P02
- Fluke 750PD2
- Fluke 750P03
- Fluke 750P05
- Fluke 750P06
- Fluke 750P29

Click the Models tab above for a full list of pressure modules.

Designed to go where you work

Pressure instruments are often installed in harsh, hard to reach locations, so you need test tools that handle rough service. 750P Series Pressure Modules feature a rugged protective boot that guards the module against shock and seals against dirt and dust, if you accidentally drop them, there's no need to worry. The 750P series modules are also specified across a broad temperature range. Though more accurate across a narrower temperature range if used indoors, these modules are designed and specified to deliver traceable pressure measurements in environments from -10 °C to +50 °C.

Specifications: Fluke 750P Series Pressure Modules

Differential Module Specifications				
Model	Parameter / range	Burst rating ⁵	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
750P3IN	0 to 3 Inch H ₂ O (0 to 7.5 mbar)	10X	Dry air	Dry air
750P5IN	0 to 5 Inch H ₂ O (0 to 12.5 mbar)	6X	Dry air	Dry air
750P01 ⁷	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 ⁷	0 to 15 psi (0 to 1 bar)		4X	316 SS	Dry air
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
750P00	±0.15%	±0.3%	±0.35%	±0.25%	±0.30%
750P3IN	±0.15%	±0.3%	±0.35%	±0.25%	±0.30%
750P5IN	±0.15%	±0.3%	±0.35%	±0.25%	±0.30%
750P01 ⁷	±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 ⁷	±0.0175%	±0.035%	±0.045%	±0.03%	±0.04%
Gage Module Specifications					
Model	Parameter / range		Burst rating ⁶	Hi side media ²	Lo side media ²
750P05 ⁷	0 to 30 psi (0 to 2 bar)		4X	316 SS	N/A
750P06 ⁷	0 to 100 psi (0 to 7 bar)		4X	316 SS	N/A
750P27 ⁷	0 to 300 psi (0 to 20 bar)		4X	316 SS	N/A
750P07	0 to 500 psi (0 to 35 bar)		4X	316 SS	N/A
750P08	0 to 1000 psi (0 to 70 bar)		3X	316 SS	N/A
750P09 ⁷	0 to 1500 psi (0 to 100 bar)		3X	316 SS	N/A
750P2000	0 to 2000 psi (0 to 140 bar)		3X	316 SS	N/A
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
750P05 ⁷	±0.0175%	±0.035%	±0.045%	±0.03%	±0.04%
750P06 ⁷	±0.0175%	±0.035%	±0.045%	±0.03%	±0.04%
750P27 ⁷	±0.0175%	±0.035%	±0.045%	±0.03%	±0.04%
750P07	±0.0175%	±0.035%	±0.045%	±0.03%	±0.04%
750P08	±0.0175%	±0.035%	±0.045%	±0.03%	±0.04%
750P09 ⁷	±0.0175%	±0.035%	± 0.045%	±0.03%	±0.04%
750P2000	±0.0175%	±0.035%	± 0.045%	±0.03%	±0.04%
High Pressure Module Specifications					
Model	Parameter / range		Burst rating ⁶	Hi side media ²	Lo side media ²
750P29	0 to 3000 psi (0 to 200 bar)		3X	316 SS	N/A

750P30	0 to 5000 psi (0 to 340 bar)		3X	316 SS	N/A
750P31	0 to 10000 psi (0 to 700 bar)		2X	316 SS	N/A
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
750P29	±0.0175%	±0.035%	±0.045%	±0.03%	±0.04%
750P30	±0.0175%	±0.035%	±0.045%	±0.03%	±0.04%
750P31	±0.0175%	±0.035%	±0.045%	±0.03%	±0.04%

Absolute Module Specifications

Model	Parameter / range		Burst rating ⁶	Hi side media ²	Lo side media ²
750PA3	0 to 5 psia (0 to 350 mBar)		4X	316 SS	N/A
750PA4 ⁷	0 to 15 psia (0 to 1 bar)		4X	316 SS	N/A
750PA5	0 to 30 psia (0 to 2 bar)		4X	316 SS	N/A
750PA6	0 to 100 psia (0 to 7 bar)		4X	316 SS	N/A
750PA27	0 to 300 psia (0 to 20 bar)		4X	316 SS	N/A
750PA7	0 to 500 psia (0 to 35 bar)		4X	316 SS	N/A
750PA8	0 to 1000 psia (0 to 70 bar)		3X	316 SS	N/A
750PA9	0 to 1500 psia (0 to 100 bar)		3X	316 SS	N/A
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
750PA3	±0.03%	±0.06%	±0.07%	±0.05%	±0.06%
750PA4 ⁷	±0.03%	±0.06%	±0.07%	±0.05%	±0.06%
750PA5	±0.03%	±0.06%	±0.07%	±0.05%	±0.06%
750PA6	±0.03%	±0.06%	±0.07%	±0.05%	±0.06%
750PA27	±0.03%	±0.06%	±0.07%	±0.05%	±0.06%
750PA7	±0.03%	±0.06%	±0.07%	±0.05%	±0.06%
750PA8	±0.03%	±0.06%	±0.07%	±0.05%	±0.06%
750PA9	±0.03%	±0.06%	±0.07%	±0.05%	±0.06%

Vacuum Module Specifications

Model	Parameter / range		Burst rating ⁶	Hi side media ²	Lo side media ²
750PV3	-5 psi (-350 mBar)		4X	316 SS	Dry air
750PV4	-15 psi (-1 bar)		4X	316 SS	Dry air
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
750PV3	±0.03%	±0.06%	±0.07%	±0.05%	±0.06%
750PV4	±0.03%	±0.06%	±0.07%	±0.05%	±0.06%

Dual Range Specifications

Model	Parameter / range	Burst rating ⁶	Hi side media ²	Lo side media ²
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 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
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 rating ⁶	Hi side media ²	Lo side media ²
750R04 ⁵	0 to 15 psi (0 to 1 bar)	3X	Dry air	Dry air
750R06 ⁵	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	—
750R08 ⁵	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	—
750R31 ⁵	0 to 10000 psi (0 to 700 bar)	2X	316 SS	—
750RD5	-15 to 30 psi (-1 to 2 bar)	4X	Dry air	—
750RD6 ⁵	-12 to 100 psi (-0.8 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, one year interval. No 6 month specification available for 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 316 Stainless 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.
7. Intrinsically Safe pressure module available in this pressure range.

Ordering information



Fluke 750P00

FLUKE-750P00 Pressure module, 0 TO 1 INCH H₂O (0 TO 2.5 MBAR), (0 TO 0.25 KPA)

Includes:

- Pressure module
 - Traceable calibration certificate
 - Adapters
 - Manual
-

Fluke 750P01

FLUKE-750P01 Pressure module, 0 TO 10 INCH H₂O (0 TO 25 MBAR),(0 TO 2.5 KPA)

Fluke 750P02

FLUKE-750P02 Pressure module, 0 TO 1 psi (0 TO 70 MBAR), (0 TO 7 KPA)

Fluke 750P03

FLUKE-750P03 Pressure module, 0 TO 5 psi (0 TO 350 MBAR), (0 TO 35 KPA)

Fluke 750P04

FLUKE-750P04 Pressure module, 0 TO 15 psi (0 TO 1 BAR), (0 TO 100 KPA)

Fluke 750P07

FLUKE-750P07 Pressure module, 0 TO 500 psi (0 TO 35 BAR), (0 TO 3500 KPA)

Fluke 750P22

FLUKE-750P22 Pressure module, 0 TO 1 psi (0 TO 70 MBAR), (0 TO 7 KPA)

Fluke 750P23

FLUKE-750P23 Pressure module, 0 TO 5 psi (0 TO 350 MBAR), (0 TO 35 KPA)

Fluke 750P24

FLUKE-750P24 Pressure module, 0 TO 15 psi (0 TO 1 BAR), (0 TO 100 KPA)

Fluke 750P05

FLUKE-750P05 Pressure module, 0 TO 30 psi (0 TO 2 BAR), (0 TO 200 KPA)

Fluke 750P06

FLUKE-750P06 Pressure module, 0 TO 100 psi (0 TO 7 BAR), (0 TO 700 KPA)

Fluke 750P08

FLUKE-750P08 Pressure module, 0 TO 1000 psi (0 TO 70 BAR), (0 TO 7000 KPA)

Fluke 750P09

FLUKE-750P09 Pressure module, 0 TO 1500 psi (0 TO 100 BAR), (0 TO 10 MPA)

Fluke 750P27

FLUKE-750P27 Pressure module, 0 TO 300 psi (0 TO 20 BAR), (0 TO 2000 KPA)

Fluke 750P2000

FLUKE-750P2000 Pressure module, 0 TO 2000 psi (0 TO 140 BAR), (0 TO 14 MPA)

Fluke 750P29

FLUKE-750P29 Pressure module, 0 TO 3000 psi (0 TO 200 BAR), (0 TO 20 MPA)

Fluke 750P30

FLUKE-750P30 Pressure module, 0 TO 5000 psi (0 TO 340 BAR), (0 TO 34 MPA)

Fluke 750P31

FLUKE-750P31 Pressure module, 0 TO 10000 psi (0 TO 700 BAR), (0 TO 70 MPA)

Fluke 750PA3

FLUKE-750PA3 Pressure module, 0 TO 5 psia (0 TO 350 MBAR), (0 TO 35 KPA)

Fluke 750PA4

FLUKE-750PA4 Pressure module, 0 TO 15 psia (0 TO 1 BAR), (0 TO 100 KPA)

Fluke 750PA5

FLUKE-750PA5 Pressure module, 0 TO 30 psia (0 TO 2 BAR), (0 TO 200 KPA)

Fluke 750PA6

FLUKE-750PA6 Pressure module, 0 TO 100 psia (0 TO 7 BAR), (0 TO 700 KPA)

Fluke 750PA7

FLUKE-750PA7 Pressure module, 0 TO 500 psia (0 TO 35 BAR), (0 TO 3500 KPA)

Fluke 750PA8

FLUKE-750PA8 Pressure module, 0 TO 1000 psia (0 TO 70 BAR), (0 TO 7000 KPA)

Fluke 750PA9

FLUKE-750PA9 Pressure module, 0 TO 1500 psia (0 TO 100 BAR), (0 TO 10 MPA)

Fluke 750PA27

FLUKE-750PA27 Pressure module, 0 TO 300 psia (0 TO 20 BAR), (0 TO 2000 KPA)

Fluke 750PV3

FLUKE-750PV3 Pressure module, -5 psi (-350 MBAR), (-35 KPA)

Fluke 750PV4

FLUKE-750PV4 Pressure module, -15 psi (-1 BAR), (-100 KPA)

Fluke 750PD2

FLUKE-750PD2 Pressure module, -1 TO 1 psi (-70 TO 70 MBAR), (-7 TO 7 KPA)

Fluke 750PD3

FLUKE-750PD3 Pressure module, -5 TO 5 psi (-350 TO 350 MBAR), (-35 TO 35 KPA)

Fluke 750PD4

FLUKE-750PD4 Pressure module, -15 TO 15 psi (-1 TO 1 BAR), (-100 TO 100 KPA)

Fluke 750PD5

FLUKE-750PD5 Pressure module, -15 TO 30 psi (-1 TO 2 BAR), (-100 TO 200 KPA)

Fluke 750PD6

FLUKE-750PD6 Pressure module, -15 TO 100 psi (-1 TO 7 BAR), (-100 TO 700 KPA)

Fluke 750PD7

FLUKE-750PD7 Pressure module, -15 TO 200 psi (-1 TO 14 BAR), (-100 TO 1400 KPA)

Fluke 750PD10

FLUKE-750PD10 Pressure module, -10 TO 10 psi (-0.7 TO 0.7 BAR), (-70 TO 70 KPA)

Fluke 750PD27

FLUKE-750PD27 Pressure module, -15 TO 300 psi (-1 TO 20 BAR), (-100 TO 2000 KPA)

Fluke 750PD50

FLUKE-750PD50 Pressure module, -15 TO 50 psi (-1 TO 3.5 BAR), (-100 TO 350 KPA)

Fluke 750R04

Fluke 750R04 Reference Pressure Module
0 psi to 15 psi (0 to 1 bar), (0 to 100 kPa)

Fluke 750R06

Fluke 750R06 Reference Pressure Module
0 psi to 100 psi (0 to 7 bar), (0 to 700 kPa)

Fluke 750R07

Fluke 750R07 Reference Pressure Module
0 psi to 500 psi (0 to 35 bar), (0 to 3500 kPa)

Fluke 750R08

Fluke 750R08 Reference Pressure Module
0 psi to 1000 psi (0 to 70 bar), (0 to 7000 kPa)

Fluke 750R27

Fluke 750R27 Reference Pressure Module

0 psi to 300 psi (0 to 20 bar), (0 to 2000 kPa)

Fluke 750R29

Fluke 750R29 Reference Pressure Module
0 psi to 3000 psi (0 to 200 bar), (0 to 20 MPa)

Fluke 750R30

Fluke 750R30 Reference Pressure Module
0 psi to 5000 psi (0 to 340 bar), (0 to 34 MPa)

Fluke 750R31

Fluke 750R31 Reference Pressure Module
0 psi to 10000 psi (0 to 700 bar), (0 to 70 MPa)

Fluke 750RD5

Fluke 750RD5 Reference Pressure Module
-15 psi to 30 psi (-1 to 2 bar), (-100 to 200 kPa)

Fluke 750RD6

Fluke 750RD6 Reference Pressure Module
-12 psi to 100 psi (-0.8 to 7 bar), (-80 to 700 kPa)

Fluke 750RD27

Fluke 750RD27 Reference Pressure Module
-12 psi to 300 psi (-0.8 to 20 bar), (-80 to 2000 kPa)

Fluke 750P3IN Differential Pressure Module

FLUKE-750P3IN Pressure module, 0 TO 3 INCH H₂O (0 TO 7.5 MBAR)

Fluke 750P5IN Differential Pressure Module

FLUKE-750P5IN Pressure module, 0 TO 5 INCH H₂O (0 TO 12.5 MBAR)

750PA31

Absolute Pressure Module, 0 to 5 psia (0 to 350 mbar)



Fluke. *Keeping your world up and running.*®

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