

Fluke Pressure Modules

Fluke 700 Series pressure modules

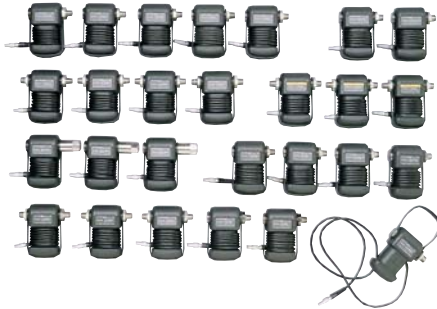
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Calibrate Any Pressure Device

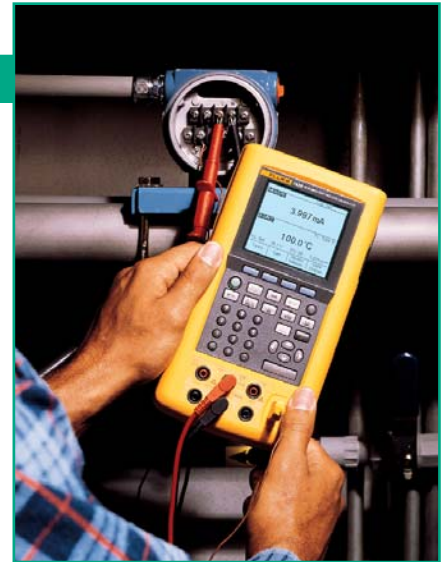
Complete your calibration package with one or more of these 29 pressure modules. Modules are available in gauge, differential, compound, vacuum, and absolute pressure modules in ranges from 1 "H₂O to 10,000 PSIG. Combined with your 725, 743B, or 744 measurements can be displayed in any of 11 engineering units.

Temperature Compensated Accuracy

All modules use active temperature compensation, and will meet published accuracy specs over the full 0–50°C temperature range.



▲ **Fluke pressure modules are rugged and lightweight. They attach to your calibrator via a 3-foot cable with plug-in connector.**



Ordering Information

USE WITH:

Type	Model	Range and Resolution	Reference Uncertainty (23 ±3°C)	Total ¹ Uncertainty	High ² Side Media	Low Side Media	Fitting Material	Max Over-pressure	Price	701	702	716, 717 718, 725 741B, 743B	744
Differential	MP700P00	1.000 "H ₂ O DIFF	0.300%	0.350%	Dry	Dry	316SS	3 "H ₂ O		X		X	
Differential	MP700P01	10.00 "H ₂ O DIFF	0.200%	0.300%	Dry	Dry	316SS	30 "H ₂ O		X		X	
Differential	MP700P02	1.0000 PSID	0.150%	0.300%	Dry	Dry	316SS	3 PSI		X		X	
Differential	MP700P22	1.0000 PSID	0.100%	0.150%	316SS	Dry	316SS	3 PSI		X		X	
Differential	MP700P03	5.0000 PSID	0.050%	0.100%	Dry	Dry	316SS	15 PSI		X		X	
Differential	MP700P23	5.0000 PSID	0.025%	0.050%	316SS	Dry	316SS	15 PSI		X		X	
Differential	MP700P04	15.000 PSID	0.025%	0.050%	Dry	Dry	316SS	45 PSI		X		X	
Differential	MP700P24	15.000 PSID	0.025%	0.050%	316SS	Dry	316SS	45 PSI		X		X	
Gauge	MP700P05	30.000 PSIG	0.025%	0.050%	316SS	N/A	316SS	90 PSI		X		X	
Gauge	MP700P06	100.00 PSIG	0.025%	0.050%	316SS	N/A	316SS	300 PSI		X		X	
Gauge	MP700P27	300.00 PSIG	0.025%	0.050%	316SS	N/A	316SS	900 PSI		X		X	
Gauge	MP700P07	500.00 PSIG	0.025%	0.050%	316SS	N/A	316SS	1,500 PSI		X		X	
Gauge	MP700P08	1000.0 PSIG	0.025%	0.050%	316SS	N/A	316SS	3,000 PSI		X		X	
Gauge	MP700P09	1500.0 PSIG	0.025%	0.050%	316SS	N/A	316SS	3,000 PSI		X		X	
Absolute	MP700PA3	5.0000 PSIA	0.050%	0.700%	316SS	N/A	316SS	20 PSI				X	
Absolute	MP700PA4	15.000 PSIA	0.050%	0.700%	316SS	N/A	316SS	60 PSI				X	
Absolute	MP700PA5	30.000 PSIA	0.050%	0.700%	316SS	N/A	316SS	105 PSI				X	
Absolute	MP700PA6	100.00 PSIA	0.050%	0.700%	316SS	N/A	316SS	315 PSI				X	
Vacuum	MP700PV3	-5.0000 PSID	0.040%	0.700%	316SS	N/A	316SS	15 PSI				X	
Vacuum	MP700PV4	-15.000 PSID	0.040%	0.700%	316SS	N/A	316SS	45 PSI				X	
Dual	MP700PD2	±1.0000 PSID	0.150%	0.200%	316SS	Dry	316SS	3 PSI		X		X	
Dual	MP700PD3	±5.0000 PSID	0.040%	0.700%	316SS	Dry	316SS	15 PSI		X		X	
Dual	MP700PD4	±15.000 PSID	0.025%	0.050%	316SS	Dry	316SS	45 PSI		X		X	
Dual	MP700PD5	-15/30.000 PSIG	0.025%	0.150%	316SS	N/A	316SS	90 PSI		X		X	
Dual	MP700PD6	-15/100.00 PSIG	0.025%	0.050%	316SS	N/A	316SS	300 PSI		X		X	
Dual	MP700PD7	-15/200.00 PSIG	0.040%	0.700%	316SS	N/A	316SS	600 PSI		X		X	
High	MP700P29	3,000.0 PSIG	0.050%	0.800%	C276	N/A	C276	6,000 PSI		X		X	
High	MP700P30	5,000.0 PSIG	0.050%	.800%	C276	N/A	C276	10,000 PSI		X		X	
High	MP700P31	10,000 PSIG	0.050%	.800%	C276	N/A	C276	15,000 PSI		X		X	

Use of pressure zero is required prior to measurement or source.

(1) Total uncertainty, one year for temperature range 0°C to +50°C. Total uncertainty, 1.0% of full span for temperature range -10°C to 0°C. For P00 module only, compensated temperature range is 15° to 35°C.

(2) "Dry" indicates dry air or non-corrosive gas as compatible media. "316 SS" indicates media compatible with Type 316 Stainless Steel. "C276" indicates media compatible with Hastelloy C276

Metric adapter(s) 1/8" NPT female to male 1/8" — 19 tapered thread included with all modules except P29, P30 and P31.

All modules ship with a NIST traceable certificate and test data.

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Transmation Modular Pressure Calibrator

This handheld delivers up to ±0.025% accuracy

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- Modular—Uses Transmation 90 Series Modules
- Dual Display—Pressure and mA
- 16 Engineering Units
- Built-In Switch Test (Dry Contact)
- Bottom Mounted Module

You could think of this handheld as a companion to the 190 automated pressure calibrator, but it stands alone as a great calibrator. It uses the 90 series pressure modules to give you a choice of ranges, with up to ±0.025% accuracy (see module specifications) plus it has a 0–50 mA input for complete transmitter calibration. Pressure can be displayed in any of 16 engineering units. During switch testing the pressure display will freeze when contacts make or break.

Complete display resolution is available. Contact Transcat or visit our web site. at www.transcat.com.

Each Unit Includes: Five AA alkaline batteries, test leads carrying case, and manufacturer's certificate of calibration.

Each Kit Also Includes: The module of your choice.



REGISTERED ISO 9000 MANUFACTURER

390 with module

Specifications

mA Range/Accuracy:	0–50.000 mA ±0.01% FS
Pressure Range/Accuracy:	Per module specifications
Switch Test:	Dry contact, 125V AC/DC max.
Pressure Engineering Units:	PSI, Pa, kPa, MPa, BAR, mBAR, Atm, kgf/cm ² , Torr, mmHg @ 0°C, °Hg @ 0°C and 15°C, °H ₂ O @ 4°C, 15°C, 20°C, and 23°C
Power:	Five AA alkaline batteries
Size/Weight:	6.5 x 3.25 x 2.125"/1.6 lbs

Ordering Information

Order #	Mfg #	Description	Price
MP390P	390	Pressure Calibrator (without modules)	
MP390P-□	390P-KIT-100G	390 with Single Sensor Module Kit	

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Calibration Instruments

Transmation 90 Series Pressure Modules

The highest module accuracy offered

- With Up to ±0.025% of Reading Basic Accuracy
- Use with Transmation 190, 390 Series and Altek 830
- Provide Selectable Engineering Units

REGISTERED ISO 9000 MANUFACTURER

90-30G



Specifications and Ordering Information

Gauge Modules					Differential Modules					
Model	Range	Accuracy	Media	Price	Model	Range	Accuracy	Media	Price	
MP90-5G	5 PSIG	>10% of range**	316SS Compatible		MP90-10WD	±10 °H ₂ O Diff.	±0.025% FS	Clean Dry Gasses Only		
MP90-10G	10 PSIG				MP90-5D	±5 PSID	±0.035% Span	316SS High/Dry Gas Low		
MP90-30G	30 PSIG				±0.025% Rdg.	MP90-15D	0-15 PSID		** Same as gauge modules	
MP90-100G	100 PSIG	+0.015% FS			MP90-30D	0-30 PSID				
MP90-300G	300 PSIG	≤10% of Range								
MP90-500G	500 PSIG				±0.030% FS					
MP90-1000G	1,000 PSIG									
MP90-2500G	2,500 PSIG*									
MP90-5KG	5,000 PSIG									
							Absolute Modules			
					MP90-15A	15 PSIA	± 0.05% FS	316SS Compatible		
					MP90-30A	30 PSIA	± 0.05% FS			
					Vacuum Modules					
					MP90-15V	VAC to 0 PSIG	± 0.05% FS	316SS Compatible		
					MP90-15C	VAC to 15 PSIG	± 0.05% FS			

* Add 10 ppm/°C ≤0°C or ≥40°C

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NEW Ametek/Jofra APM Pressure Modules

- Calibrated in PSI, BAR, kPa, inH₂O, inHg
- Gauge, Vacuum, Absolute, Differential, and Combination
- Accuracy to ±0.05% of Scale (S Series) ±0.01% of Scale (H Series)
- Works with JOFRA AMC900, ASC300, APC Calibrators

Each unit includes: Module, adapters (S series BSP adapter, H series NPT and BSP adapter), cable and connector (S series attached, H series detachable), manual and manufacturer's NIST traceable certification.

Ordering Information

Order #	Range	High Side	Low Side	Ref Accuracy	12 mo accuracy	Price
S SERIES						
MPAPM001PNSG	1 PSID	DRY	DRY	±0.15%	±0.30%	
MPAPM005PNSG	5 PSID	DRY	DRY	±0.05%	±0.10%	
MPAPM015PNSG	15 PSIG	DRY	N/A	±0.025%	±0.05%	
MPAPM001PGSG	1 PSID	316L SS	DRY	±0.075%	±0.15%	
MPAPM005PGSG	5 PSID	316L SS	DRY	±0.025%	±0.05%	
MPAPM015PGSG	15 PSIG	316L SS	N/A	±0.025%	±0.05%	
MPAPM030PGSG	30 PSIG	316L SS	N/A	±0.025%	±0.05%	
MPAPM100PGSG	100 PSIG	316L SS	N/A	±0.025%	±0.05%	
MPAPM300PGSG	300 PSIG	316L SS	N/A	±0.025%	±0.05%	
MPAPM500PGSG	500 PSIG	316L SS	N/A	±0.025%	±0.05%	
MPAPM1000PGSG	1,000 PSIG	316L SS	N/A	±0.025%	±0.05%	
MPAPM3000PGSG	3,000 PSIG	316L SS	N/A	±0.025%	±0.05%	
MPAPM5000PGSG	5,000 PSIG	316L SS	N/A	±0.025%	±0.05%	
MPAPM10000PGSG	10,000 PSIG	316L SS	N/A	±0.025%	±0.05%	
MPAPM015PCSG	±15 PSIG	316L SS	N/A	±0.035%	±0.07%	
MPAPM200PCSG	-15 to 200 PSIG	316L SS	N/A	±0.025%	±0.05%	
MPAPM005PDSG	5 PSID	316L SS	DRY	±0.035%	±0.07%	
MPAPM100PDSG	100 PSID	316L SS	DRY	±0.025%	±0.05%	
MPAPM015PASG	15 PSIA	316L SS	N/A	±0.025%	±0.05%	
MPAPM030PASG	30 PSIA	316L SS	N/A	±0.025%	±0.05%	
MPAPM001BGSG	1 BAR-G	316L SS	N/A	±0.025%	±0.05%	
MPAPM004BGSG	4 BAR-G	316L SS	N/A	±0.025%	±0.05%	
MPAPM006BGSG	6 BAR-G	316L SS	N/A	±0.025%	±0.05%	
MPAPM010BGSG	10 BAR-G	316L SS	N/A	±0.025%	±0.05%	
MPAPM021BGSG	21 BAR-G	316L SS	N/A	±0.025%	±0.05%	
MPAPM040BGSG	40 BAR-G	316L SS	N/A	±0.025%	±0.05%	
MPAPM060BGSG	60 BAR-G	316L SS	N/A	±0.025%	±0.05%	
MPAPM100BGSG	100 BAR-G	316L SS	N/A	±0.025%	±0.05%	
MPAPM400BGSG	400 BAR-G	316L SS	N/A	±0.025%	±0.05%	
MPAPM700BGSG	700 BAR-G	316L SS	N/A	±0.025%	±0.05%	
MPAPM001BCSG	±1 BAR-G	316L SS	N/A	±0.035%	±0.07%	
MPAPM001BVSG	-1 BAR-D	316L SS	DRY	±0.035%	±0.07%	
MPAPM007BASG	7 BAR-A	316L SS	N/A	±0.025%	±0.05%	
MPAPM007KGSG	7 kPa-D	316L SS	DRY	±0.10%	±0.20%	
MPAPM035KGSG	35 kPa-D	316L SS	DRY	±0.035%	±0.07%	
MPAPM070KGSG	70 kPa-G	316L SS	N/A	±0.035%	±0.07%	
MPAPM160KGSG	160 kPa-G	316L SS	N/A	±0.025%	±0.05%	
MPAPM200KGSG	200 kPa-G	316L SS	N/A	±0.025%	±0.05%	
MPAPM250KGSG	350 kPa-G	316L SS	N/A	±0.025%	±0.05%	
MPAPM350KGSG	250 kPa-G	316L SS	N/A	±0.025%	±0.05%	
MPAPM029HVSG	-29 inHg-D Vac	316L SS	DRY	±0.035%	±0.07%	
MPAPM010WGS	10 inH ₂ O-D	DRY	DRY	±0.20%	±0.30%	
H SERIES						
MPAPM015PGHG	15 PSIG	DRY	DRY	±0.003%	±0.01%	
MPAPM050PGHG	50 PSIG	DRY	DRY	±0.003%	±0.01%	
MPAPM100PGHG	100 PSIG	DRY	DRY	±0.003%	±0.01%	
MPAPM500PGHG	500 PSIG	DRY	DRY	±0.003%	±0.01%	
MPAPM1000PGHG	1,000 PSIG	DRY	DRY	±0.003%	±0.01%	
MPAPM015PAHG	15 PSIA	DRY	N/A	±0.003%	±0.01%	
MPAPM050PAHG	50 PSIA	DRY	N/A	±0.003%	±0.01%	
MPAPM100PAHG	100 PSIA	DRY	N/A	±0.003%	±0.01%	
MPAPM500PAHG	500 PSIA	DRY	N/A	±0.003%	±0.01%	
MPAPM1000PAHG	1,000 PSIA	DRY	N/A	±0.003%	±0.01%	
MPAPM3000PAHG	3,000 PSIA	DRY	N/A	±0.003%	±0.01%	



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Calibration Instruments

Meriam Pressure Calibrator/Digital Manometer

- Eight Engineering Units
- Simultaneous Display of Input and Output
- ±0.05% ±1 Digit Accuracy
- DC Input Range: 0-30 VDC; 0-30 mA
- 6210P and 6211P have a Single Port for Gauge Pressure Measurements.
- 6212P and 6213P have Two Ports, and can Measure Differential as Well as Gauge Pressure
- Vacuum Measurements can be Taken with the High-Side Port Vented to the Atmosphere
- Size/Weight: 7.5 x 4 x 1.9" HWD/1.1 lb



LPI2001 ▲

6210P, 6211P, 6212P, 6213P Include: Manufacturer's NIST traceable certificate, vinyl carrying case (4499P), and instruction manual. **NOTE:** Must order AC charger separately.

All Kits Include: Hand pump, pressure version (6215P), test lead kit (6216P), AC charger (6217P), tubing and fittings kit (6218P), attaché carrying case (6219P), manufacturer's NIST traceable certificate, and instruction manual.

Pressure Ranges

	Inches	cm	PSIG	Inches	mm	kg/cm ²	kPa	mBar
	H ₂ O	H ₂ O	H ₂ O	H ₂ O	Hg	Hg	Hg	Hg
6211P & 6213P	2000	5080	72.10	146.8	3730	5.070	497.0	4970
6210P & 6212P	200.00	508.0	7.21	14.68	373.0	0.507	49.70	497.0

Ordering Information

0.05% Accuracy	Mfg #	Range	Price
MP6210P	LP2001-.05%	0-200 "H ₂ O	
MP6211P	LP2000I-.05%	0-2000 "H ₂ O	
MP6212P	DP2001-.05%	0-200 "H ₂ O Differential	
MP6213P	DP2000I W/CASE	0-2000 "H ₂ O Differential	
MP6210P-KIT	LP200IKIT	0-200 "H ₂ O Kit	
MP6211P-KIT	LP2000IKIT	0-2000 "H ₂ O Kit	
MP6212P-KIT	DP200IKIT	0-200 "H ₂ O Differential Kit	
MP6213P-KIT	DP2000IKIT	0-2000 "H ₂ O Differential Kit	
MP6215P	6215P	Hand Pump, Pressure	
MP4238P	4238P	Hand Pump, Vacuum	
MP6218P	6218P FITTINGS KIT	Tubing and Fittings Kit	
MP6217P	B900615-00004	AC Charger, 120/220V, 50/60 Hz	
MP6220P	A900529-00003	Cigarette Lighter Charger	

For CSA intrinsically safe approval, add -CSA to the catalog number and \$128 to the price.

Transcat Accredited Calibration with Data	CALL
Transcat Accredited Calibration without Data	CALL

Calibration Instruments

Transmation Interchangeable Pressure Modules

- Designed for 1090 and 1091
- Auto Zero
- Isolated or Non-Isolated Sensors Ranges from 0.00 to 1999.9 PSIG
- Modules Mount to the Calibrator Quickly with two Quarter-Turn Screws
- Pressure Connections are Through Top Mounted, Filtered Port



SD0412G ▶

Ordering Information

Order #	PSIG Range	Range	Ports	Isolation	Price	Order #	PSIG Range	Range	Ports	Isolation	Price
MPPD0121	0-0.5	0-10 "H ₂ O	2	N		MPSD0412G	0-33	0-830 "H ₂ O	1	Y	
MPPD1120	0-5	0-100 "H ₂ O	1	N		MPSD0612G	0-100.0	0-2700 "H ₂ O	1	Y	
MPPD1121	0-5	0-100 "H ₂ O	2	N		MPSD2118G	0-1000	0-70 BAR	1	Y	
MPPD3121	0-16	0-420 "H ₂ O	2	N		MPSS2210G	0-1999.9	—	1	Y	
MPPD4121	0-33	0-830 "H ₂ O	2	N							

Specifications

Accuracy:	±0.05% of FS when combined with 1091 or 1090
Connections:	Threaded integral 1/8" 27 NPT for non-isolated; threaded integral 1/8" 18 NPT for isolated
Media Compatibility	
Non-Isolated (PD):	Non-conductive/corrosive, instrument-grade clean air or clean inert gas
Isolated (SD):	Fluid or gas non-corrosive to 316 stainless steel
Size/Weight:	1 1/2 x 4 1/2 x 2 1/8" HWD/1.1 lb

Accessories

Order #	Description	Price
MP5854P-3	High Pressure Hose Kit (to 6,000 PSI/3 ft)	
MP5854P-6	High Pressure Hose Kit (to 6,000 PSI/6 ft)	
MP5835P-600	0-600 Precision Hand Pump	
MP3430P	0-3000 PSI Hydraulic Hand Pump	

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Transmation Multifunction Pressure Calibrator

- Interchangeable Pressure Modules $\pm 0.05\%$ Accuracy
- Measure and Generate mV, V, and mA Signals
- 0.01% Basic DC Accuracy
- Selectable Engineering Units
- Low Differential to 5000 PSIG
- Diaphragm Isolated Pressure Modules Accept Any Fluid or Gas Compatible with 316 SS
- Non-isolated Pressure Modules Accept Non-Conductive, Non-Corrosive, Instrument-Grade Clean Air or Inert Gas
- Model 1091PLUS is also a Full Function DC Process Signal Calibrator
- Pressure Vents when it Exceeds the Module's Full Scale Rating by 117% to 160%.
- 24 Volts Loop Power

1091PLUS
with module
option



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The 1091PLUS is powered by the SPBE battery pack and requires the 1004E charger. The 1091PLUS-LP uses the SPBE-LP battery pack and is charged with a 117V Transformer Assembly.

Each Unit Includes: Battery pack: 1091PLUS (SPBE); 1091PLUS-LP (SPBE-LP), charger/transformer (TA), two sets of test leads (500143-003), spare 125 mA fuse assembly, carrying case, and instructions.

Specifications

Input Ranges:	-99.99 to + 100.00 mV -50.00 to + 50.00V -50.00 to + 50.00 mA
Output Ranges:	0 to 110.00 mV 0 to 11.0V 0 to 22.00 mA
Transmitter Simulate Range:	0 to 22 mA
Accuracy (Input and Output):	$\pm 0.01\%$ of rdg ± 1 LSD
Display:	5-digit LCD
Size/Weight:	10.75 x 4.5 x 2.175" HWD/4.1 lbs (273 x 114 x 55 mm)/(1.86 kg)

Ordering Information

MP1091PLUS	Process Signal Calibrator with SPBE Battery Pack
MP1091PLUS-LP	Process Signal Calibrator with SPBE-LP Battery Pack
MPSPBE	Spare Battery Pack for 1091PLUS
MPSPBE-LP	Battery Pack for 1091PLUS-LP
MPTA	Charge Transformer for 1091PLUS-LP, 115V
MPTA-220	Charge Transformer for 1091PLUS-LP, 220V
MP500143-003	Replacement Test Leads

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Transmation Interchangeable Pressure Modules for 1091PLUS

- Compact
- Selectable Engineering Units
- Auto Zero
- $\pm 0.05\%$ FS Accuracy
- .001 Resolution with 0.5 "H₂O module

1091PLUS module



Calibration Instruments

These new pressure modules cover common ranges from 0.00 to 5000 PSIG. Used in conjunction with the Transmation 1091PLUS they provide you with easy selection of numerous engineering units. Units include PSI, kPa, Pa, mBAR, BAR, kgf/cm², "Hg, mmHg, mmH₂O @ 4 or 23°C and "H₂O @ 68°F/60°F/23°C and 4°C. This will allow you to use your 1091PLUS anywhere in the world.

Modules mount easily to the top of the 1091PLUS and connections are then made to the top-mounted, filtered ports. The 23344P dual port units are non-isolated while the 23346P single port modules are diaphragm isolated. See the specifications table and ordering information for ranges, media compatibility, and connections.

Specifications

Accuracy:	$\pm 0.05\%$ of FS
Connections:	Threaded integral 1/8" 27 NPT for non-isolated; threaded integral 1/8" 18 NPT for isolated
Media Compatibility	
Non-Isolated:	Non-conductive/corrosive, instrument-grade clean air or clean inert gas
Isolated:	Fluid or gas non-corrosive to 316 stainless steel
Size/Weight:	1 1/2 x 4 1/2 x 2 1/8" HWD/1.1 lb

Ordering Information

Order #	PSID Range	Ports	Isolation	Price	Order #	PSIG Range	Ports	Isolation	Price
MP23344P-1	0-0.5	2	N		MP23346P-2	0-16	1	Y	
MP23344P-3	0-5	2	N		MP23346P-4	0-33	1	Y	
MP23344P-5	0-10	2	N		MP23346P-6	0-50	1	Y	
MP23344P-7	0-16	2	N		MP23346P-8	0-100	1	Y	
MP23344P-9	0-33	2	N		MP23346P-10	0-150	1	Y	
MP23344P-11	0-50	2	N		MP23346P-12	0-300	1	Y	
MP23344P-13	0-100	2	N		MP23346P-14	0-500	1	Y	
					MP23346P-16	0-1000	1	Y	
					MP23346P-18	0-3000	1	Y	
					MP23346P-20	0-5000	1	Y	

Beta Modular Documenting Pressure Calibrator

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- Pressure Accuracy $\pm 0.025\%$ FS Typical
- Intrinsically Safe
- 14 Selectable Engineering Units
- % Error Display
- Electrical Accuracy $\pm 0.01\%$ FS
- 23 Interchangeable Pressure Modules
- Minimum/Maximum Measurement Memory

BetaGauge II is both a two-channel and multi-range device. Changing ranges is as easy as plugging in new input modules, which can be done even while the unit is powered up. The signals from installed modules are automatically recognized and assigned to the proper channel. External pressure connection is made by a $\frac{1}{8}$ " FNPT 316SS connector. This plug-in design also simplifies maintenance. The base unit needs no recalibration, only the input modules do. You send only the out-of-calibration modules back to the shop, while still using BetaGauge II in the field.

Engineering units for the BetaGauge II are: kg/cm²; ATM; mBAR; BAR; kPa; mmHg; "Hg; "H₂O at 4°C, 20°C, 60°F; cmH₂O at 4°C, 20°C, 60°F; plus one user-defined unit. This unit is designed, built and tested with intrinsically safe circuits for use in Class I, Groups A, B, C, and D, and suitable for use in Class I Division 2, Groups A, B, C, and D hazardous areas.

Each Unit Includes: Two-channel pressure calibrator, voltage/current input module, rechargeable NiCd external, one set of test leads, trickle charger, instruction manual, vinyl carrying case, 9-pin D shell to 9-pin D shell serial cable.



5946P ▲

Calibration Instruments

Specifications

DC Input Module:	Accuracy: $\pm 0.01\%$ FS $\pm 0.01\%$ Rdg
Ranges:	0 to ± 249.99 mVDC; 0 to ± 2.4999 and ± 24.999 VDC; 0 to ± 24.999 and ± 149.99 mADC
ENVIRONMENTAL	
Temperature/Humidity:	-20°C to 50°C (operating)/0 to 95% non-condensing
Alarm Trip Detect:	Wet contact input, 48 VDC max.
Power Supply:	Rechargeable NiCd external battery pack
Charging:	16 hours maximum; fast charge battery optional, 90 mm. charge time
Pressure Connections:	$\frac{1}{8}$ " FNPT 316SS
Size/ Weight:	4.3" x 7.5" x 2.4" (110 mm x 190 mm x 60 mm)/ 1.5 kg with carrying case and accessories

Ordering Information

Order #	Description	Price
MP5946P	BetaGauge II Pressure Calibrator IS	
MP917007-002	Replacement DC Input Module	
MP917004-001	CSA Exia Rated Intrinsically Safe Battery Pack	

NOTE: See pages A55-A58 for Cornerstone Software

Transcat Accredited Calibration with Data	CALL
Transcat Accredited Calibration without Data	CALL

**See Pages A92-A99
for Pumps, tubing
and fittings.**



Ordering Information (Modules)

GAUGE	Module Range	Accuracy FS	Over Pressure	Price
MP5948P-1	0 to 5 PSIG (0 to 350 mBAR)	$\pm 0.025\%$ (± 0.003 PSI)	400%	
MP5948P-3	0 to 7.2 PSIG (0 to 500 mBAR)	$\pm 0.035\%$ (± 0.0025 PSI)	300%	
MP5948P-4GW	0 to 10 PSIG (0 to 700 mBAR)	$\pm 0.025\%$ (± 0.0025 PSI)	300%	
MP5948P-5	0 to 30 PSIG (0 to 2 BAR)	$\pm 0.025\%$	300%	
MP5948P-50	0 to 50 PSIG (0 to 3.5 BAR)	$\pm 0.025\%$	300%	
MP5948P-100G	0 to 100 PSIG (0 to 7 BAR)	$\pm 0.025\%$	300%	
MP5948P-150G	0 to 150 PSIG (0 to 10 BAR)	$\pm 0.035\%$	200%	
MP5948P-7	0 to 300 PSIG (0 to 20 BAR)	$\pm 0.025\%$	200%	
MP5948P-9	0 to 1000 PSIG (0 to 70 BAR)	$\pm 0.025\%$	200%	
MP5948P-11	0 to 1500 PSIG (0 to 100 BAR)	$\pm 0.035\%$	200%	
MP5948P-12	0 to 3000 PSIG (0 to 200 BAR)	$\pm 0.1\%$	200%	
MP5948P-13	0 to 5000 PSIG (0 to 350 BAR)	$\pm 0.1\%$	200%	
DIFFERENTIAL				
MP5948P-15	0 to 5 PSID (0 to 350 mBAR)	$\pm 0.025\%$ (± 0.003 PSI)	400%	
MP5948P-17	0 to 30 PSID (0 to 2 BAR)	$\pm 0.025\%$	300%	
MP5948P-18	0 to 50 PSID (0 to 3.5 BAR)	$\pm 0.025\%$	300%	
VACUUM				
MP5948P-19	0 to -5 PSIG (0 to -350 mBAR)	$\pm 0.025\%$ (± 0.003 PSI)	400%	
MP5948P-21	0 to -15 PSIG (0 to -1 BAR)	$\pm 0.025\%$ (± 0.0025 PSI)	300%	
ABSOLUTE				
MP5948P-23	0 to 15 PSIA (0 to 1 BAR)	$\pm 0.025\%$ (± 0.0025 PSI)	300%	
MP5948P-25	0 to 30 PSIA (0 to 2 BAR)	$\pm 0.025\%$	300%	
MP5948P-50AW	0 to 50 PSIA (0 to 3.5 BAR)	$\pm 0.025\%$	300%	
MP5948P-27	0 to 100 PSIA (0 to 7 BAR)	$\pm 0.025\%$	300%	
COMPOUND				
MP5948P-28	-15 to 15 PSIG (-1 to 1 BAR)	$\pm 0.025\%$ (± 0.0025 PSI)	300%	
MP5948P-29	-15 to 30 PSIG (-1 to 2 BAR)	$\pm 0.025\%$ (± 0.0025 PSI)	300%	

NOTE: All pressure modules are isolated except vacuum and compound ranges.