

Calibratore di Pressione con pompa Integrata ATEX compatto



ATEX & IECEX: Zone 0



MAXiCAL
Process Multifunction Calibrators

- Modello :
PPC273+40 Pneumatico fino 40 Bar
PPC273+60 Pneumatico fino 60 Bar
PPC273+700 Idraulico fino 700 Bar
PPC273+1000 Idraulico fino 1000 Bar
campi relativi o assoluti
Classe 0,02%
Barometro integrato
- Pompa e Calibratore sezionabili :
Manutenzione più semplice
manda solo il calibratore in taratura
- V, mA, Switch, Hz, HART opzionale
Precisione 0,015%
- Alimentazione Loop 24V
- Modulo Interno fino 4200 Bar
- Moduli Esterni da 2,5mBar a 4200 Bar
- Doppio Sensore Esterno per misure
Differenziale con Statica elevata
- Ampio display retroilluminato Colori
- Batterie LiION, Bluetooth e USB, Log
- Certificato di calibrazione 17025

La calibrazione può essere semplicemente descritta come un'attività dove lo strumento da provare viene comparato con uno di riferimento. Nel livello più semplice, calibrazione è la comparazione tra due misure, una di livello conosciuto ed una in maniera simile con un altro dispositivo. Il dispositivo con livello conosciuto viene chiamato standard. Il secondo dispositivo è l'unità in prova. La calibrazione è spesso richiesta su uno strumento nuovo o quando un intervallo di tempo è trascorso. Inoltre la calibrazione è di solito effettuata quando uno strumento è stato soggetto a un shock inaspettato che lo può aver portato fuori specifica. Per questo sono necessari dei calibratori semplici da utilizzare ed alla portata di tutti. La serie PPC è un calibratore compatto e potente, che utilizza tecnologie di ultima generazione e con una facilità di utilizzo che permette di lavorare con efficienza e sicurezza.



Built-in barometric sensor

Assembled digital pressure module

External digital pressure module

Simulate differential pressure channel





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Additel 273Ex Handheld Pressure Calibrator

- 0.02%, 0.05% FS Accuracy
- Intrinsically Safe
- Field Switchable Pressure Module
- Dual Digital Pressure Module Inputs
- Color Touchscreen Display
- Built-in Quick Test Task Feature
- Built-in Barometer
- Intuitive Smartphone Like Interface
- Bluetooth and USB Communication
- Optional HART Communication
- Communicates with Additel's Link Mobile App



Additel 273Ex with ADT158Ex module

OVERVIEW

Additel's 273Ex is an Intrinsically safe handheld multifunctional pressure calibrator with a color touchscreen, smartphone like interface, built-in quick test tasks and optional HART communications capability. This innovative Additel product drastically improves explosion-proof field testing and calibration. The Additel 273Ex has a built-in atmospheric pressure sensor, so that absolute pressure and the gauge pressure are easily facilitated. With three pressure module inputs, one switchable at the bottom and two digital inputs on the side, the user can configure the setup accordingly and easily meet the needs of pressure calibration and testing in virtually any environment.

Intrinsically Safe :

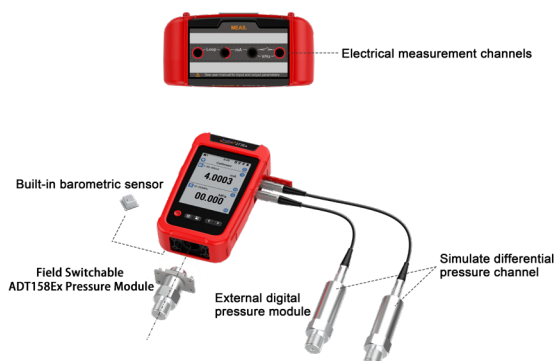
ADT273Ex has passed the most stringent ATEX, IECEx, CSA, and UKCA intrinsic safety certifications from authoritative organizations. The explosion-proof level is Ex ia IIC T4 Ga. It can be widely used in potentially explosive gas environments, such as oil and gas platforms, refineries, chemical and petrochemical plants, pharmaceutical industry, energy and gas processing industry. Each intrinsically safe calibrator has an advance transreflective color LCD display which has enhanced visibility when viewed in direct sunlight. No matter where your work takes you, these calibrators are up to the task.

A Modern User Experience:

Additel has gone above and beyond to provide our customers with the best possible experience when using this new and revolutionary calibrator. The color touchscreen display provides a refreshing and intuitive experience compared to other calibrators on the market. With an easy to navigate menu structure and fast touchscreen response, you will find the ADT273Ex calibrator simple yet powerful to use. The easy-to-read display isn't just fun to use, but it's built rugged to handle the demands of a busy technician in the field or the laboratory.

Optional HART Communication:

With support for HART communication protocols, the ADT273Ex Handheld Pressure Calibrator provides a pressure calibration solution for transmitters over a wide pressure range. The ADT273 is a highly portable device and can measure pressure precisely with a field switchable pressure sensor, as well as read the current or mV produced by a transducer. It can even supply an excitation voltage (loop power) to power sensors or transmitters during calibration.





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FUNCTIONAL FEATURES

Functional Features	Details
Scaling	User can convert measured current, voltage and frequency values into pressure, temperature and flow values. Three conversion functions available: linearity, square and square root
Filtering	Average sliding filter (sampling number: 1 ~ 50) First-order linear filter (First-order coefficient: 0.01 ~ 1)
Switch	The measurement value will be automatically displayed at the moment the switch change of state. The latest 8 state changes will be stored in the memory.
Pressure Tare	Tare value is set through the user interface
Pressure stability indicator	Stability time and criteria is selectable
Power management	Backlight auto off Auto power off

Specifications

General Specifications	
Input Channels	Top: 1 electrical signal measurement channel, $\phi 4$ mm banana jacks
	Right side: 2 channels for external digital pressure modules, 5-core dedicated aviation plug
	Bottom: embedded digital pressure module (model ADT158Ex), field switchable.
	Internal: 1 embedded atmospheric pressure sensor
Barometric Accuracy	± 55 Pa
Measurement Rate	mV, V, mA & frequency: 3 times/sec
	Pressure module: 1~10 times/sec selectable (3 as default) Barometer: 1 time/sec
Power	4000mAh, 14.4Wh explosion-proof intelligent lithium battery, charging time = 6~8 hours, battery can be charged independently Typical working time 100 hours (measurement mode)
Environmental	Guaranteed temperature range of technical specifications: (-10 ~ 50)°C
	Operating temperature: (-20 ~ 50)°C
	Storage temperature: (-30 ~ 70)°C
	Humidity: 0% to 95% RH, non-condensing. Altitude: 3000 meters
Warm-up Time	10 min to fully meet technical specifications
Port Protection Voltage	30V max
Explosion-proof Grade	ATEX & IECEX: Ex ia IIC T4 Ga (Ta = -10°C ~ 50°C)
	CSA: Class I, Division 1, Group A,B,C and D, T4 Ex ia IIC T4 Ga Class I, Zone 0, AEx ia IIC T4 Ga
	UKCA-EX
CE Certification	TUV IEC61326, IEC61010
Rohs Compliance	Rohs II Directive 2011/65/EU, EN50581:2012
Protection Level	IP67, 1 meter drop test
Communication	Isolate USB-Type C (slave), Bluetooth
Display	4.4-inch color display capacitive screen, transfective, with LED backlight
Size	6.97" x 4.13" x 2.04" (177 mm x 105 mm x 52 mm) which doesn't include bottom ADT158Ex.
Weight	1.98 lb (0.9 kg)
Warranty Time	1 year

Electrical Specifications

Specification	Range	Accuracy	Resolution	Note
Voltage Measurement	± 300 mV	0.015%RDG + 0.005%FS	1 μ V	Impedance: >100M Ω
	± 30 V	0.015%RDG + 0.005%FS	0.1mV	Impedance: >1M Ω
Current Measurement	± 30 mA	0.015%RDG + 0.005%FS	0.1 μ A	Impedance: < 40 Ω
Frequency Measurement	0.01~50000Hz (auto range)	0.005% RDG + 2 last digit	6-digit auto-resolution	Min threshold voltage: 2.5V
	Units: Hz, kHz, MHz, CPM, CPH, s, ms, us			
Switch On-Off Measurement	Inspection voltage: (3 ~ 30)V Response speed: < 10ms, supports wet and dry switch			
Pulse Count	0 ~ 9999999, optional rising edge and falling edge Min threshold voltage: 2.5V			
Loop Power	20V \pm 10%, max output impedance: 320 Ω , max load current: 25mA			



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PRESSURE TECHNICAL SPECIFICATIONS

Specifications	
Pressure resolution	4, 5, or 6 digit resolution (user selectable)
Temperature Compensation	-10°C~50 °C
Pressure Module Type	Built-in digital pressure module: ADT158Ex, for more detailed information, please see ADT 158Ex datasheet. External digital pressure module: ADT161Ex, for more detailed information, please see ADT 161Ex datasheet.
Specifications	Refer to the technical specification of the ADT158Ex and ADT161Ex
High Static Pressure and Differential Pressure Synthesis Index	Two modules must be with the same range; Typical Differential pressure accuracy of 0.002%FS or 0.02%RD, whichever is greater when using two 0.02%FS external modules. Typical Differential pressure accuracy of 0.002%FS or 0.05%RD, whichever is greater when using two 0.05%FS external modules.

Note: For more explanation, please reference application note "Achieving High Accuracy for High Static Differential Pressure Measurements"

PRESSURE RANGE

Gauge Pressure ^[1]					
P/N	Pressure Range		Media ^[2]	Accuracy (%FS)	Burst Pressure
	(psi)	(bar)			
V15	-15	-1.0	G	0.02	3x
GP2	2	0.16	G	0.05	3x
GP5	5	0.35	G	0.05	3x
GP10	10	0.7	G	0.02	3x
GP15	15	1.0	G	0.02	3x
GP30	30	2.0	G	0.02	3x
GP50	50	3.5	G, L	0.02	3x
GP100	100	7.0	G, L	0.02	3x
GP150	150	10	G, L	0.02	3x
GP300	300	20	G, L	0.02	3x
GP500	500	35	G, L	0.02	3x
GP600	600	40	G, L	0.02	3x
GP1K	1,000	70	G, L	0.02	3x
GP1.5K	1,500	100	G, L	0.02	3x
GP2K	2,000	140	G, L	0.02	3x
GP3K	3,000	200	G, L	0.02	3x
GP5K	5,000	350	G, L	0.02	3x
GP10K	10,000	700	G, L	0.02	2x
GP15K	15,000	1,000	G, L	0.05	2x
GP20K	20,000	1,400	G, L	0.05	1.5x
GP25K	25,000	1,600	G, L	0.05	1.5x
GP30K	30,000	2,000	G, L	0.05	1.5x
GP36K	36,000	2,500	G, L	0.05	1.5x
GP40K	40,000	2,800	G, L	0.05	1.35x
GP50K	50,000	3,500	G, L	0.1	1.2x
GP60K	60,000	4,200	G, L	0.1	1.1x

Compound Pressure						
P/N	Pressure Range		Media	Accuracy	Pressure Rating	
	psi	bar			Burst	Over Pressure
CP2	±2	±0.16	G	0.05% FS	3x	1.2x
CP5	±5	±0.35	G	0.02% FS	3x	1.2x
CP10	±10	±0.7	G	0.02% FS	3x	1.2x
CP15	±15	±1.0	G	0.02% FS	3x	1.2x
CP30	-15 to 30	-1 to 2.0	G	0.02% FS	3x	1.2x
CP50	-15 to 50	-1 to 3.5	G	0.02% FS	3x	1.2x
CP100	-15 to 100	-1 to 7.0	G,L	0.02% FS	3x	1.2x
CP300	-15 to 300	-1 to 20	G,L	0.02% FS	3x	1.2x
CP500	-15 to 500	-1 to 35	G,L	0.02% FS	3x	1.2x
CP600	-15 to 600	-1 to 40	G,L	0.02% FS	3x	1.2x
CP1K	-15 to 1,000	-1 to 70	G,L	0.02% FS	3x	1.2x
CP2K	-15 to 2,000	-1 to 140	G,L	0.02% FS	3x	1.2x
CP3K	-15 to 3,000	-1 to 200	G,L	0.02% FS	3x	1.2x
CP5K	-15 to 5,000	-1 to 350	G,L	0.02% FS	3x	1.2x
CP10K	-15 to 10,000	-1 to 700	G,L	0.02% FS	2x	1.2x

[1] Sealed gauge pressure for above 1000 psi

[2] G=Gas, L=Liquid

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0.05% Accuracy
Up to 40K PSI



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ORDERING INFORMATION

■ Model Number

ADT273EX — GP300 — PSI — N • • HART

Pressure range P/N:
See pressure range tables above

Range type:
PSI-range by psi
BAR-range by bar
H₂O-range by inH₂O

Pressure port type:
N- 1/4NPT male
N2- 1/2NPT male
B-1/4BSP male
B2-1/2BSP male
M-M20X1.5 male
AF-Autoclave F-250-C female
AM-Autoclave M-250-C male

HART Communication (Optional)

Note: The ADT273Ex can be purchased without the ADT158Ex module if needed using the following part numbers.
ADT273EX-NO
ADT273EX-NO-HART (includes HART Communication)

■ Accessories Included

Test leads (1) set
Rechargeable Lion battery (1 pc)
USB cable (type-C)
Power adapter
Hanging strap
Silicone tube - 1 meter each (2 pcs for DP models only)
Manual
ISO 17025 accredited calibration certificate

■ Optional Accessories

Model number	Description
ADT158Ex	Built-in digital pressure module (see ADT158Ex datasheet)
ADT161Ex	External digital pressure module (see ADT161 datasheet)
9906A	Hard carrying case for handheld instrument with accessories
9530-BASIC	Additel/Acal Automated calibration software with asset management, basic version
9530-NET	Additel/Acal Automated calibration software with asset management, network version, Includes server installation and 1 user license



ADT161Ex pressure modules - See ADT161 Datasheet for more info



ADT158Ex pressure module - for use with ADT273Ex (bottom mount)



Additel 158Ex

Intelligent Digital Pressure Modules



- Pressure ranges to 60,000 psi (4,200 bar)
- Pressure measurement accuracy of 0.02% FS
- Intrinsically Safe (Ex)
- Fully temperature compensated accuracy



ADT158Ex

OVERVIEW

With advanced microprocessor technology and state-of-the-art silicon pressure sensors, Additel's 158Ex series Digital Pressure Modules provide an accurate, reliable, and economic solution for wide range of pressure applications. Our intrinsically safe (Ex) models are up to the task of providing the best possible results, even in hazardous environments. In order to reach the best performance, every silicon pressure sensor in the module has been specially aged, tested and screened before assembly. Designed as field switchable pressure modules for use with Additel 273Ex and 260Ex handheld devices, the Additel 158Ex is unmatched in performance and reliability. If intrinsic safety is a critical requirement for your workload, we have you covered when you combine our model ADT273Ex or ADT260Ex handheld calibrators with any of our ADT158Ex pressure modules.

FEATURES

- Gauge pressure measurement accuracy of 0.02% FS
- Pressure ranges to 60,000 psi (4,200 bar)
- Intrinsically Safe with ADT260EX and ADT273EX
- Advanced temperature compensation
- ISO 17025 accredited calibration and data included

PRESSURE RANGE

Differential Pressure					
P/N	Pressure Range ^[1]		Media	Accuracy (%FS)	Burst Pressure
	(inH ₂ O)	(mbar)			
DP1	±1	±2.5	G	0.05 ^[2]	100x
DP2	±2	±5.0	G	0.05 ^[2]	100x
DP5	±5	±10	G	0.05 ^[2]	50x
DP10	±10	±25	G	0.05 ^[2]	20x
DP20	±20	±50	G	0.05	20x
DP30	±30	±75	G	0.05	20x
DP50	±50	±160	G	0.05	3x
DP100	±100	±250	G	0.02	3x
DP150	±150	±350	G	0.02	3x
DP300	±300	±700	G	0.02	3x

[1] FS specification applies to the span of the range. Accuracy includes 1 year stability.

[2] 0.05%FS accuracy (incl 6 months stability). One year accuracy is 0.05%FS calibration accuracy combined with 0.05%FS one year stability.

Gauge Pressure ^[1]					
P/N	Pressure Range		Media ^[2]	Accuracy(%FS)	Burst Pressure
	(psi)	(bar)			
V15	-15	-1.0	G	0.02	3x
GP2	2	0.16	G	0.05	3x
GP5	5	0.35	G	0.05	3x
GP10	10	0.7	G	0.02	3x
GP15	15	1.0	G	0.02	3x
GP30	30	2.0	G	0.02	3x
GP50	50	3.5	G, L	0.02	3x
GP100	100	7.0	G, L	0.02	3x
GP150	150	10	G, L	0.02	3x
GP300	300	20	G, L	0.02	3x
GP500	500	35	G, L	0.02	3x
GP600	600	40	G, L	0.02	3x
GP1K	1,000	70	G, L	0.02	3x
GP1.5K	1,500	100	G, L	0.02	3x
GP2K	2,000	140	G, L	0.02	3x
GP3K	3,000	200	G, L	0.02	3x
GP5K	5,000	350	G, L	0.02	3x
GP10K	10,000	700	G, L	0.02	2x
GP15K	15,000	1,000	G, L	0.05	2x
GP20K	20,000	1,400	G, L	0.05	1.5x
GP25K	25,000	1,600	G, L	0.05	1.5x
GP30K	30,000	2,000	G, L	0.05	1.5x
GP36K	36,000	2,500	G, L	0.05	1.5x
GP40K	40,000	2,800	G, L	0.05	1.35x
GP50K	50,000	3,500	G, L	0.1	1.2x
GP60K	60,000	4,200	G, L	0.1	1.1x

[1] Sealed gauge pressure for above 1000 psi

[2] G=Gas, L=Liquid

Now Offering
0.05% Accuracy
Up to 40K PSI



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SPECIFICATIONS

Compound Pressure						
P/N	Pressure Range		Media	Accuracy	Pressure Rating	
	psig	bar.g			Burst	Over Pressure
CP2	±2	±0.16	G	0.05% FS	3x	1.2x
CP5	±5	±0.35	G	0.02% FS	3x	1.2x
CP10	±10	±0.7	G	0.02% FS	3x	1.2x
CP15	±15	±1.0	G	0.02% FS	3x	1.2x
CP30	-15 to 30	-1 to 2.0	G	0.02% FS	3x	1.2x
CP50	-15 to 50	-1 to 3.5	G	0.02% FS	3x	1.2x
CP100	-15 to 100	-1 to 7.0	G,L	0.02% FS	3x	1.2x
CP300	-15 to 300	-1 to 20	G,L	0.02% FS	3x	1.2x
CP500	-15 to 500	-1 to 35	G,L	0.02% FS	3x	1.2x
CP600	-15 to 600	-1 to 40	G,L	0.02% FS	3x	1.2x
CP1K	-15 to 1,000	-1 to 70	G,L	0.02% FS	3x	1.2x
CP2K	-15 to 2,000	-1 to 140	G,L	0.02% FS	3x	1.2x
CP3K	-15 to 3,000	-1 to 200	G,L	0.02% FS	3x	1.2x
CP5K	-15 to 5,000	-1 to 350	G,L	0.02% FS	3x	1.2x
CP10K	-15 to 10,000	-1 to 700	G,L	0.02% FS	2x	1.2x

Barometric Pressure						
P/N	Pressure Range		Media	Accuracy	Burst Pressure	
	Low	High				
BP	60 kPa	110 kPa	G	40 Pa	3x	



Additel 273Ex and 260Ex with ADT158 pressure module installed

ORDERING INFORMATION

Model Number

ADT158EX — 02 — GP300 — PSI — N

Model:
ADT158Ex

Accuracy:
02 - 0.02% of full scale
05 - 0.05% of full scale
10 - 0.1% of full scale

Range type:
PSI - range by psi
BAR - range by bar

Pressure range P/N:
See pressure range table

Pressure port type:
N - 1/4NPT male
N2 - 1/2NPT male
B - 1/4BSP male
B2 - 1/2BSP male
M - M20 X 1.5 male
AF - Autoclave F-250-C female
AM - Autoclave M-250-C male

Accessories included

ISO 17025 accredited Calibration Certificate

SPECIFICATIONS

	Standard Accuracy		
	CPXXX	DPXXX	GPXXX
Operating temperature	-10°C to 50°C (14°F to 122°F)		
Storage temperature	-20°C to 70°C (-4°F to 158°F)		
Relative humidity	95% RH		
Pressure connections (for external use only)	1/4NPT, 1/2NPT, 1/4BSP, 1/2BPS, M20x15		
Enclosure (for external use only)	SS enclosure		
Intrinsic Safety	ATEX certified intrinsically safe only with ADT260EX & ADT273EX		
Dimensions (Dia x H)	33 mm x 123 mm (1.3" x 4.84")		
Weight	0.4 kg (0.99 lb)		
Warranty	1 Year		



PGS-700/PGS-1000



PGS-40/60

The Eigroupp PGS pump series are a remarkable new range of hand pumps for generating vacuum, gas and hydraulic pressure from a few mbar up to 1000 bar. The pumps are the ideal tool for applying test pressures to sensors, gauges, pressure switches and any pressure device. They are a low cost solution for field and workshop use and can be supplied with the wide range of Eigroupp digital pressure indicators or for OEM applications.

- calibrate pressure device
- 4 separate models
- range from Vacuum to 1000 bar
- extended kit solutions to suits different needs

The pneumatic pumps allow pressures in excess of 600 psi to be generated with just a few strokes of the pump. By changing the push-in switching valve to vacuum, the pump will generate vacuum down to nearly 96%.

The PGS 700 and PGS 1000 hydraulic test pumps work with a variety of different fluids, including water and oil to easily generate pressures up to 1000 bar (14500 psi). The pump uses an unique "switch" which allows for fast priming or filling of the test system and then switching as needed to a smaller stroke for easier generation at high pressure.

The desired pressure point can be easy tuned by using the vernier control and a precision needle vent valve allows for controlled venting.

All 4 pumps can be supplied as a bare pump or in kit form with a hard transit case, set of adaptors, seals and hose.

SELECTION GUIDE

Features	PGS-60	PGS-40	PGS-700	PGS-1000
Pneumatic pressure capability	•	•		
Vacuum capability	•	•		
Hydraulic capability			•	•
Integral fine control for accurate set point	•	•	•	•
adjustable stroke for over pressure safety	•	•		
Controlled pressure relief valve	•	•	•	•
Priming operation			•	•
Fluid compatible (not distilled water)			•	•
Scissor action pump	•	•	•	•

TECHNICAL SPECIFICATION

Parameter	PGS-60-OEM	PGS-40-OEM	PGS-700-OEM	PGS-1000-OEM
Operating pressure range	-960mbar to 60bar	-960 mbar to 40 bar	0 to 700 bar	0 to 1000 bar
Pressure media	air	air	liquid	liquid
Fine adjustment resolution	1 mbar	1 mbar	10 to 100 mbar	10 to 100 mbar
Ref port pressure connection	3/8" BSP (F)	3/8" BSP (F)	3/8" BSP (F)	3/8" BSP (F)
Ref port standard adaptor	1/2 BSP (F)	1/2 BSP (F)	3/8" BSP (F)	1/2" BSP (F)
Test point pressure connection	1/4 BSP (F)	1/4 BSP (F)	1/4 BSP (F)	1/4 BSP (F)
Hose extension	1 x 1 meter	1 x 1 meter	option	option
Weight	510 g	510 g	1.6 Kg	1.6 Kg

Specification are based on minimum volume

G10 series

Reference pressure gauge

A range of analogue reference gauges for the PGS pump series. All gauges are dual scale reading bar/psi and fit on the top of the PGS40/700/1000 pump by using the supplied swivel adaptor, hand tight no adaptor or spanner required.



TECHNICAL SPECIFICATION

Over pressure: 30% FS

Connection: 1/2" BSP (M)

Fine graduation

Knife pointer

G10-0060 through G10-1000 -Wetted part: AISI 316 and AISI 316L,

-Case: AISI 304, glass tempered

G10-0000 through G10-0040 -Wetted part: brass, chrome plated

-Case: AISI 304, glass normal

PRESSURE RANGES

Model	Range	Accuracy	Diameter
G10-0000	-1 to 0 bar/-30 to 0 inHG	1% FS	63 mm
G10-0002	0 to 2 bar/0 to 30 psi	1% FS	63 mm
G10-0011	0 to 11 bar/0 to 160 psi	1% FS	63 mm
G10-0025	0 to 25 bar/0 to 365 psi	1% FS	63 mm
G10-0040	0 to 40 bar/0 to 600 psi	1% FS	63 mm
G10-0060	0 to 60 bar/0 to 800 psi	0.6% FS	100 mm
G10-0100	0 to 100 bar/0 to 1400 psi	0.6% FS	100 mm
G10-0160	0 to 160 bar/0 to 2000 psi	0.6% FS	100 mm
G10-0250	0 to 250 bar/0 to 3000 psi	0.6% FS	100 mm
G10-0400	0 to 400 bar/0 to 5000 psi	0.6% FS	100 mm
G10-0600	0 to 600 bar/0 to 8000 psi	1% FS	100 mm
G10-1000	0 to 1000 bar/0 to 15000 psi	1% FS	100 mm

MAXiCAL

Process Multifunction Calibrators

PGS-40/60 Pneumatic Test Kits

Combined vacuum/pneumatic kit for pressure testing includes:

- PGS-40/60-OEM pump
- Set of BSP or NPT adaptors (to be specified)
- Set of seals
- Pressure hose with 1/4" BSP F adaptor (1 meter)
- Robust ABS transit case with customised foam and cells



SPECIFICATION

Model	Description
PGS-4/60-P-BSP	Pressure test kit, BSP adaptor 1/4" BSP male to 1/8", 3/8" (F) and 1/2" BSP (M)
PGS-4/60-P-NPT	Pressure test kit, NPT adaptor 1/4" BSP male to 1/8", 3/8", 1/2" and 1/4" NPT (F)

PGS-700/1000 Hydraulic Test Kit

Hydraulic test kit for high pressure testing includes:

- PGS-700-OEM or PGS-1000-OEM pump
- Set of BSP or NPT adaptors
- HTH-1000-1 high pressure hose, 1 meter
- PGS700-A-G14 adaptor for HTH-1000 hose
- Set of seals
- PGS700-TC Robust ABS transit case with customised foam and cells



SPECIFICATION

Model	Description
PGS-700-H-BSP	Pressure test kit, BSP adaptor 1/4" BSP male to 1/8", 3/8" (F) and 1/2" BSP (M)
PGS-700-H-NPT	Pressure test kit, NPT adaptor 1/4" BSP male to 1/8", 3/8", 1/2" and 1/4" NPT (F)
PGS-1000-H-BSP	Pressure test kit, BSP adaptor 1/4" BSP male to 1/8", 3/8" (F) and 1/2" BSP (M)
PGS-1000-H-NPT	Pressure test kit, BSP adaptor 1/4" BSP male to 1/8", 3/8", 1/2" and 1/4" NPT (F)

Ordering Informations

Pump Model

PGS-60-OEM:	Medium pressure pump, -960 mbar to 60 bar
PGS-40-OEM:	Medium pressure pump, -960 mbar to 40 bar
PGS-700-OEM:	High pressure pump, 0 to 700 bar
PGS-1000-OEM:	High pressure pump, 0 to 1000 bar

Pump Kits

PGS-60-P-BSP:	Low pressure pump kit, BSP adaptors
PGS-60-P-NPT:	Low pressure pump kit, NPT adaptors
PGS-40-P-BSP:	Medium pressure pump kit, BSP adaptors
PGS-40-P-NPT:	Medium pressure pump kit, NPT adaptors
PGS-700-H-BSP:	Hydraulic test kit, BSP adaptors
PGS-700-H-NPT:	Hydraulic test kit, NPT adaptors
PGS-1000-H-BSP:	Hydraulic test kit, BSP adaptors
PGS-1000-H-NPT:	Hydraulic test kit, NPT adaptors

Pressure Gauges See table for part number

Adaptors

PGS-BSP adaptor set:	1/4" BSP (M) to 1/8", 3/8" (F) and 1/2" BSP (M)
PGS-NPT adaptor set:	1/4" BSP (M) to 1/8", 3/8", 1/2" and 1/4" NPT (F)
PGS-A-N14I-G38A:	3/8" BSP (M) to 1/4" NPT (F) adaptor for ref port
PGS-A-G14I-G38A:	3/8" BSP (M) to 1/4" BSP (F) swivel connector for Ref port

Carrying cases

PGS60-TC:	Robust transit case with customised cells and foam
PGS40-TC:	Robust transit case with customised cells and foam
PGS700-TC:	Robust transit case with customised cells and foam

High Pressure hose (PGS 700/PGS 1000 only)

HTH-1000-1:	High pressure hose 1 meter, 1500 bar, 1/4" BSP (F)
HTH-1000-2:	High pressure hose 2 meters, 1500 bar, 1/4" BSP (F)
HTH-1000-3:	High pressure hose 3 meters, 1500 bar, 1/4" BSP (F)