

# 2198P Pressure Indicator



## Configuration

- Suitable for pneumatic and hydraulic test pressures
- Ranges from vacuum up to 7000 bar
- Medium ranges, 10 to 600 bar, with all stainless steel tubing
- Differential pressure models available

## Utilities

Mains: 115/230VAC  $\pm$  10%, 1 ph, 50-60 Hz

Pressure supply: not applicable

## Pressure connections

-1 to 10 bar: Polyflo quick connect; 1/4"O.D. (1/4"NPTF adaptor available)

10 bar to 600 bar: Minimes 1215

Above 600 bar: High pressure cone connection

Please refer to the data sheet 2198 series for general specifications

# Technical specifications

Ordering code											
Version		Configuration									
2198 LPC		Low Pressure Calibrator									
2198 PC		Pressure Calibrator									
2198 HPC		High Pressure Calibrator									
2198 VC		Vacuum Calibrator									
2198 AC		Absolute Pressure Calibrator									
2198 P		Pressure Indicator									
2198 DP		Differential Pressure Indicator									
Configuration		Note	LPC	PC	HPC		AC	P	DP		
Range											
2G	100 mbarg	1	X					X			
BG	160 mbarg	1	X					X			
WG	250 mbarg	1	X					X			
CG	400 mbarg	1	X					X			
DG	600 mbarg	1	X					X			
3G	1 barg		X	X				X	X		
3V	-1 barg							X			
4A	1.1 bara						X	X	X		
EG	1.6 barg			X				X			
FG	2.5 barg			X				X			
HG	4 barg	1		X				X			
JG	6 barg	1		X				X			
5G	10 barg			X				X	X		
5A	10 bara							X	X		
KG	16 barg				X			X	X		
LG	25 barg				X			X	X		
MG	40 barg	1			X			X			
NG	60 barg	1			X			X			
6G	100 barg				X			X	X		
PG	160 barg				X			X	X		
7G	250 barg				X			X	X		
YG	400 barg	1						X			
ZG	600 barg	1						X			
8G	1000 barg	1						X			
9G	2500 barg	1						X			
4B	1.1 bara ref		X	X	X			X			

## Notes:

Each instrument can be supplied with two integrated pressure sensors.

If the range of the second sensor is not within the range of the first sensor or if the ratio between the ranges exceeds 1:10, a separate connection is required.

The separate connection is for measurement only and is not controlled

1. Silver Series only

## Standard deliveries includes:

2198 Calibrator, traceable calibration certificate, Windows advanced-menu enable software, electric test leads 2/4 mm. Polyflo quickconnector (-1 to 10 bar range) or Minimesse hose and 1/4"NPT adaptor (20 to 600 bar range)



Distributor:

## Accuracy

### Pressure measurement:

(Including non-linearity, hysteresis and repeatability):

Silver Series 0.05% FS.

Gold Series 0.04% R between 10 and 100% of full scale and between 5°C and 45°C (dynamic temperature compensation).

### Electrical measurement:

0.05% of reading.

## Certification

Accredited calibration certificate issued by the Tradinco

Calibration Laboratory on pressure sensor, which is accredited by the RvA (Dutch Accreditation Council).

CE certified.

## Communication (option)

RS232 or IEEE488.

## Dimensions

19" x 260 mm x 2HE mm (LxWxH)

## Electrical connections

3x4 mm input sockets.

## Electrical measurement and output

0-24 mA, 0-10 Vdc. Optional 24V Transmittersupply

## Graphic Display

128 x 64 Dots. Backlight. Simultaneous readout of pressure and mA/V and function keys

## Keyboard

20 switches with tactile and audible feedback.

## Memory capability (option)

32 calibration procedures

## Multi-lingual

Select between English, Dutch, French and German.

## Operating temperature range

Ambient temperature; -10 to +50 °C.

Pressure medium; Max 150 °C.

## Overpressure

Maximum 150% of pressure range.

## Power supply

115/230 VAC, ± 10%; 50/60Hz

## Pressure connection

-1 to 10 bar: polyflo, 10 to 600 bar: Minimesse, Above 600 bar: high pressure cone connector

## Pressure media

All media compatible with stainless steel and Buna-N

## Pressure scale units

All pressure units (SI & ANSI) can be selected by user.

## Re-adjustment

Re-adjustment by means of advanced menu via a software package included in the delivery.

## Resolution

Silver Series: 3, 4 or 5 digits, switchable.

Gold Series: 4, 5 or 6 digits, switchable.

## Response

Measurement 200 times per second.

Display update 3 times a second.

## Scaling function

mA scaling to any pressure unit or percentage

## Signal filtering

Adjustable signal filtering (damping) for unstable sources.

## Storage conditions

Clean and dry, maximum temperature 70°C.

## Switch test (option)

Test dry-contact (non powered) pressure switches; display

hold pressure when switch is closed or opened.

Switch status graphically shown on display.

## Temperature effect

Silver Series; typical 0.015% FS/°C from 20°C

Gold Series; none between 5 and 45°C

## Weight

1.5-5 kg

## Zero control

Pressure, mA and VDC via keyboard

Technical specifications subject to change without notice.