



Application

- ✓ Oil and gas industry
- ✓ Maintenance and service facilities
- ✓ Calibration service companies
- ✓ Test bench and gauge repair facilities
- ✓ Leak testing
- ✓ Portable field measurement

Special Features

- ✓ Rugged 100 mm metal housing
- ✓ Accuracy classes down to 0.05% FS
- ✓ 19 switchable pressure units
- ✓ Integral bar graph and large LCD
- ✓ MIN/MAX value recording
- ✓ 330 degree axial display rotation
- ✓ Bluetooth and RS485 options
- ✓ IP65 enclosure rating

Description

Cal-Mate 3204 is a rugged 100 mm digital pressure gauge for field measurement, maintenance, calibration and leak testing. Its clear LCD combines a five-digit primary display, an integral bar graph and a secondary text area for efficient interpretation at the point of use.

Three accuracy classes - 0.05% FS, 0.1% FS and 0.25% FS - allow the instrument to be matched to application requirements. The rotatable display, 19 selectable pressure units and MIN/MAX recording simplify day-to-day operation. Optional Bluetooth communication, optional RS485 output, AAA or rechargeable power, multiple process connections and OEM configuration support a broad range of service and industrial workflows.

Measuring Ranges

Published range coverage	Availability
Overall published coverage	-100...10 kPa to 600 MPa
Standard configurable range	-1...0 to 100 MPa
Extended high-pressure option	100 to 600 MPa
Accuracy classes	0.05% FS / 0.1% FS / 0.25% FS

Default Specification

Case size	Weight
100 mm (4 in)	550 g
Accuracy	Long-term stability
0.05% FS, 0.1% FS or 0.25% FS	<=0.1% FS/year
Supply	Output
3 x 1.5 V AAA batteries or rechargeable battery	RS485 or no output
Process connection	Enclosure rating
Lower connection; G1/4 male typical	IP65
Operating temperature	EMC
-20 to +80 deg C	IEC 61326
Vibration	Shock
IEC 60068-2-6; 10...500 Hz; 5 g	IEC 60068-2-29; 25 g; 11 ms
Approvals	Display and controls
CE, SIL3	Large LCD, bar graph and four-key interface

Options

- ✓ Bluetooth communication with app
- ✓ Rechargeable battery supply
- ✓ RS485 output
- ✓ Extended high-pressure ranges
- ✓ Alternative process connections
- ✓ OEM configuration support

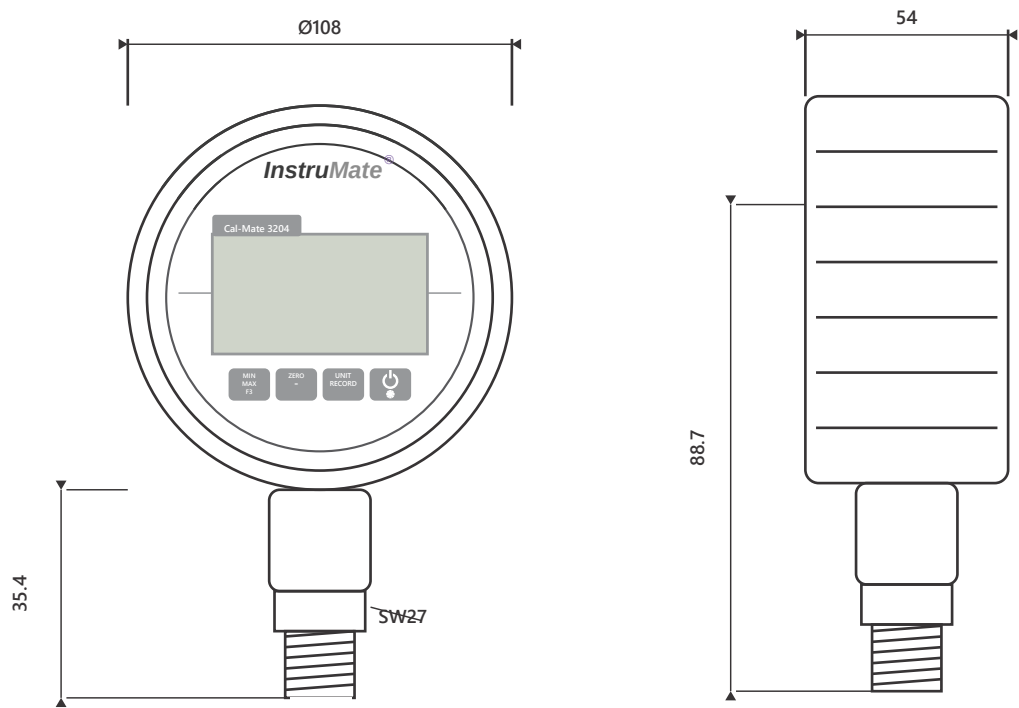
Functions

Display	Pressure units
Five-digit primary display with integral bar graph	19 switchable units
Memory	Rotation
MIN/MAX value recording	330 degree axial display rotation
Wireless	Wired output
Optional app communication via Bluetooth	Optional RS485
Power	OEM
3 x AAA batteries or rechargeable battery	Customer-specific configuration support

Configuration Options

Configuration	Code	Selection
Accuracy	01	0.1% FS
	02	0.25% FS
	005	0.05% FS (partial range)
Bluetooth	W	With Bluetooth
	T	Without Bluetooth
Supply	P0	3 x 1.5 V AAA batteries
	P2	Rechargeable battery
Output	R	RS485
	N	Without output
Thread	N	NPT
	B	BSP
	Z	BSPT
	M	Metric Thread
	S	Special thread
Size	4	1/4"
	8	1/8"
	2	1/2"
	20	20 x 1.5
	14	14 x 1.5
	12	12 x 1.5

Dimensions (in mm)



Nominal size	Case diameter	Depth	Weight	Typical thread	Spanner
100 mm	108 mm	54 mm	550 g	G1/4 male	SW27

Thread type	Code	Thread size	Code
NPT male	N12M	1/2 NPT	N12M
BSPP male	G12M / G14M	G1/2 or G1/4	G12M / G14M
Metric male	M20	M20 x 1.5	M20
NPT male	N14M	1/4 NPT	N14M

How To Order

Product group	Model	Thread	Size	Range	Accuracy	Bluetooth	Supply	Output
Cal-Mate	3204	B	4	[1.6MPa]	005	W	P0	R

Order by the complete configuration code and required pressure range.