

Main Specifications

▼ **Size**
3.5" (95 mm)

▼ **Process connection**
High and low pressure port:
Ø4 mm test hose x2

▼ **Differential pressure range**
Min.: 60Pa
Max.: 10kPa
Compound pressure available

▼ **Applicable media**
Non-corrosive gases that compatible with SS 316

▼ **Ambient temperature**
-20°C to +70°C

▼ **Storage temperature**
-40°C to +85°C

▼ **Media temperature**
-10°C to +50°C

▼ **Ambient humidity**
95% R.H.

▼ **Atmospheric pressure**
860...1060 mbar

▼ **Temperature error**
Standard temp.: 20°C
max. error: ±0.1% F.S
(0~50°C)

▼ **Accessory**
3.6V lithium battery
Hose

Other Specifications

▼ **Ring**
Aluminum die casting

▼ **Back housing**
Aluminum die casting

▼ **Screen display**
5-digit LCD / 6-digit LCD
White backlight

▼ **Refresh rate**
Adjustable from 3 readings per second to 1 reading every ten seconds

▼ **Screen size**
58 x 29 mm

▼ **Pressure unit**
mmH₂O, mmHg, inH₂O, Pa, kPa, mbar

▼ **Resolution**
0.0001

▼ **Measuring elements**
High-tech silicon chip
SS 316L diaphragm

▼ **Accuracy**
Please refer to pressure range and accuracy table

▼ **Overpressure**
Please refer to pressure range and accuracy table

▼ **Compensated temperature**
0°C to 50°C

▼ **Power supply**
3.6V lithium battery /
AA batteries x3 /
Input DC 9V (2A) adapter

▼ **Battery life**
Please refer to battery life table

▼ **Weight**
450g

▼ **Other requests (Option)**
Third party notarized document
Inspection report (issued by Re-Atlantis)
Tag
Customized dial face (brand, color, etc.)

Digital Precision Differential Pressure Gauge

Model: AT803-D

Introduction

The accuracy of AT803-D digital precision differential pressure gauge is up to 0.05%, which is suitable for high precision micro differential pressure measurement such as on-site and laboratory pressure measurement and calibration.



Due to the variety of customization, the picture is only for reference, please confirm the actual item with our sales. (If there is any change on specification, please take the latest version as standard.)

Features

- OEM service
- Micro differential pressure measurement
- High accuracy - up to 0.05%
- 5- or 6-digit LCD display
- Zero adjustment button
- Low power consumption - continually operate over 10000 hours
- Large display screen 58 x 29 mm
- Adjustable pressure units: mmH₂O, mmHg, inH₂O, Pa, kPa, MPa, psi, bar, mbar

Battery life table

Refresh rate	3times/1sec	1times/1sec	1times/2secs	1times/5secs	1times/10secs
Battery life	3 months	1 year	2 years	4 years	6 years

Micro Differential Pressure Range and Accuracy Table

Code	Differential pressure range	Accuracy (@20±5°C)	Accuracy (0 to 50°C)	Media	Overpressure
D1	0…60Pa	1.6	–	Gas	10*F.S.
D2	0…250Pa	0.5	–	Gas	10*F.S.
D3	0…1kPa	0.1	–	Gas	10*F.S.
D4	0…2kPa	–	0.05	Gas	10*F.S.
D5	0…5kPa	–	0.05	Gas	10*F.S.
D6	0…10kPa	–	0.05	Gas	10*F.S.

Compound Pressure Range (Differential Pressure) and Accuracy Table

Code	Compound differential pressure range	Accuracy (@20±5°C)	Accuracy (0 to 50°C)	Media	Overpressure
CD1	± 60Pa	1.6	–	Gas	3*F.S.
CD2	± 250Pa	0.5	–	Gas	3*F.S.
CD3	± 1kPa	0.1	–	Gas	3*F.S.
CD4	± 2kPa	–	0.05	Gas	3*F.S.
CD5	± 5kPa	–	0.05	Gas	3*F.S.
CD6	± 10kPa	–	0.05	Gas	3*F.S.

How to order

AT803-D		Digital Precision Pressure Gauge				
AT803-D	Code	Pressure connection port				
	C	∅4 mm test hose x2				
	O	Other (please specify)				
	Code	Pressure range				
	D3	Please refer to Pressure/Compound Pressure Range and Accuracy Table and select corresponding code				
	Code	Screen display				
	A	5-digit LCD with backlight				
	B	6-digit LCD with backlight				
	AT803-D	C	D3	A	Order example: AT803-D-C-D3-A	