

## Main Specifications

▼ **Size**  
 Φ100mm x 37mm (depth) x  
 132mm (height)

▼ **Pressure connection**  
 Material: SS316L  
 Size:  
 M20×1.5  
 Ø4 Quick connect inner jack  
 (differential pressure type)  
 Other thread type available  
 made-to-order

▼ **Pressure type**  
 Gauge pressure  
 Sealed pressure  
 Compound pressure  
 Absolute pressure  
 Differential pressure

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

▼ **Applicable media**  
 Please refer to pressure range  
 and accuracy table

▼ **Ambient temperature**  
 20°C to 25°C (68°F to 77°F)

▼ **Storage temperature**  
 -20°C to 70°C (-4°F to 158°F)

▼ **Ambient humidity**  
 <95% R.H.

## Other Specifications

▼ **Case**  
 Aluminum alloy

▼ **Screen display**  
 Dual line 6-digit LCD with LED  
 backlight

▼ **Power supply**  
 3.6V lithium battery /  
 AA batteries x3

▼ **Refresh rate**  
 Adjustable refresh rate:  
 1 time/2sec to 1 time/10secs

▼ **Pressure unit**  
 Pa, kPa, MPa, psi, bar, mbar,  
 inH<sub>2</sub>O, mmHg, mmH<sub>2</sub>O

▼ **Communication port**  
 RS232  
 (DB9/F, environmentally sealed)  
 Baud rate: 9600  
 Software:  
 WINDOWS 95 / 98 / ME / NT /  
 2000 / XP / VISTA BASED

▼ **Response time**  
 0.1ms

▼ **Memory capacity**  
 262143 readings

▼ **Accuracy**  
 0.05% F.S. / 0.1% F.S.

▼ **Overpressure**  
 120%

▼ **Compensated temperature**  
 0°C to 50°C (32°F to 122°F)

▼ **Battery life**  
 1 year battery life at 1 minute  
 reading rate with display off

▼ **Weight**  
 0.45kg

## High Precision Pressure Recorder

### Model: AT802

### Introduction

AT802 pressure recorder features high accuracy, large memory capacity, and wide pressure range. Suitable for medical, pharmaceutical, laboratory, HVAC applications, environmental monitoring, food standard monitoring and food storage.



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

- Statistics can be cleared at any time during logging
- Simply connect the interface cable to USB port
- Export the data to EXCEL spreadsheet
- The non-volatile memory will retain recorded data, even if battery power is lost
- Accuracy can up to 0.05% F.S.
- Max. memory capacity: 262143 readings
- RS232 communication port
- User selectable measurement units
- Programmable start / stop time
- Waterproof

## Pressure Range and Accuracy Table

Code	Pressure range (bar)	Accuracy 1 (0 to 50°C)	Accuracy 2 (0 to 50°C)	Media	Burst pressure
P1	-1	0.05, G	-	(1)	3X
P2	0.016	0.05, G	-	(1)	3X
P3	0.035	0.05, G	-	(1)	3X
P4	0.07	0.05, G	0.1, A	(1)	3X
P5	0.1	0.05, G	0.1, A	(1)	3X
P6	0.16	0.05, G	0.05, A	(1)	3X
P7	0.35	0.05, G	0.05, A	(2)	3X
P8	0.7	0.05, G	0.05, A	(2)	3X
P9	10	0.05, G	0.05, A	(2)	3X
P10	16	0.05, G	0.05, A	(2)	3X
P11	35	0.05, G	0.05, A	(2)	3X
P12	70	0.05, G	0.05, A	(2)	3X
P13	100	0.05, SG	0.05, A	(2)	3X
P14	160	0.05, SG	0.05, A	(2)	3X
P15	250	0.05, SG	0.05, A	(2)	3X
P16	400	0.05, SG	0.05, A	(2)	3X
P17	600	0.05, SG	0.05, A	(2)	3X
P18	1000	0.1 / 0.2, SG	-	(2)	2X
P19	1600	0.1 / 0.2, SG	-	(2)	2X
P20	2500	0.1 / 0.2, SG	-	(2)	1.5X

Note:

G=Gauge pressure; SG= Sealed gauge pressure; A= Absolute pressure

(1) Non-corrosive gas compatible with glass, ceramics, silicon, nickel, aluminum, etc.

(2) Liquid, gas or steam compatible with SS316

## Differential Pressure Range and Accuracy Table

Code	Pressure range (mbar)	Pressure type	Accuracy 1 (20±5°C)	Accuracy 2 (0~50°C)	Media	Burst pressure
DP1	0.6	D	1.6	-	(1)	3X
DP2	2.5	D	0.5	-	(1)	3X
DP3	10	D	0.1	-	(1)	3X
DP4	20	D	-	0.05	(1)	3X
DP5	50	D	-	0.05	(1)	3X
DP6	100	D	-	0.05	(1)	3X

Note:

D=Differential pressure

(1) Non-corrosive gas compatible with glass, ceramics, silicon, nickel, aluminum, etc.

## Compound Pressure Range and Accuracy Table

Code	Pressure range (bar)	Pressure type	Accuracy (0 to 50°C)	Media
CP1	±0.0006	D	-	(1)
CP2	±0.0025	D	-	(1)
CP3	±0.01	D	-	(1)
CP4	±0.02	D	0.05	(1)
CP5	±0.05	D	0.05	(1)
CP6	±0.1	D	0.05	(1)
CP7	±0.16	G	0.05	(1)
CP8	±0.25	G	0.05	(1)
CP9	±0.4	G	0.05	(1)
CP10	±0.6	G	0.05	(1)
CP11	±1	G	0.05	(1)
CP12	-1~1.6	G	0.05	(1)
CP13	-1~2.5	G	0.05	(1)

Note:

G=Gauge pressure; D=Differential pressure

(1) Non-corrosive gas compatible with glass, ceramics, silicon, nickel, aluminum, etc.

## How to order

AT802		High Precision Pressure Recorder	
	Code	Pressure connection	
	M20	M20*1.5	
	∅4	∅4 Quick connect inner jack (differential pressure type)	
	O	Others	
	Code	Pressure range	
	P1	Please refer to pressure range and accuracy table to select corresponding code	
AT802	M20	P1	Other requests: AT802-M20-P1