

# PROZA ELECTRONIC TECHNOLOGIES

## PZG701 High Precision Pressure Recorder



### OVERVIEW

PZG701 is a battery powered pressure recorder, with an LCD display. It is perfect for applications requiring display pressure readings. Available on-screen data includes: statistics (max., min., average); recording status (start, stop and recording rate), display options (channel, units, text size); calibration information (data calibrated, data for recalibration). Statistics can be cleared at any time during logging. With 262143 readings, the PZG701 has one of the largest memory capacities of any similar data recorder on the market. The non-volatile memory will retain recorded data, even if battery power is lost. Simply connect the interface cable to an available USB Port and, with a few clicks of the mouse, data is downloaded and ready for review and export to EXCEL. readings, similar products in the amount of storage is relatively large, power outages data is not lost. With a serial connection, using simple mouse operations, you can export the data to EXCEL spreadsheet.

### FEATURES

- Pressure measurement uncertainty: PZG701-05: 0.05%FS
- PZG701 -10: 0.1%FS
- Pressure ranges to 2,500 bar
- Advanced temperature compensation
- Large, easy to read display with 6-digit resolution Back lighted display
- Front panel keys for fast, easy operation
- User-selectable measurement units
- Real-time operation, high speed download
- Programmable start/stop time
- Status changeable
- User replaceable batteries
- Waterproof

### APPLICATIONS

- Laboratory
- Warehouse
- Museum
- HVAC application
- Medical/Pharmaceutical
- Environmental monitoring
- Food standard monitoring
- Food storage
- Fresh and live goods transportation

### SPECIFICATIONS

#### Accuracy

- PZG701 -05: 0.05% of full scale
- PZG701 -10: 0.1% of full scale

#### Gauge types

- Gauge pressure
- Compound Pressure
- Absolute pressure
- Differential pressure

Conventional Pressure Range Selection					
P/N	Pressure Range (bar)	Accuracy ①	Accuracy ②	Media	Burst Pressure
GP 0	-1	0.05,G	--	③	3X
GP 1	0.016	0.05,G	--	③	3X
GP 2	0.035	0.05,G	--	③	3X
GP 3	0.07	0.05,G	0.1,A	③	3X
GP 4	0.1	0.05,G	0.1,A	③	3X
GP 5	0.16	0.05,G	0.05,A	③	3X
GP 6	0.35	0.05,G	0.05,A	④	3X
GP 7	0.7	0.05,G	0.05,A	④	3X
GP 8	10	0.05,G	0.05,A	④	3X
GP 9	16	0.05,G	0.05,A	④	3X
GP 10	35	0.05,G	0.05,A	④	3X
GP 11	70	0.05,G	0.05,A	④	3X
GP 12	100	0.05,SG	0.05,A	④	3X
GP 13	160	0.05,SG	0.05,A	④	3X
GP 14	250	0.05,SG	0.05,A	④	3X
GP 15	400	0.05,SG	0.05,A	④	3X
GP 16	600	0.05,SG	0.05,A	④	3X
GP 17	1000	0.1/0.2,SG	--	④	2X
GP 18	1600	0.1/0.2,SG	--	④	2X
GP 19	2500	0.1/0.2,SG	--	④	1.5X

G=Gauge Pressure; SG=Sealed Gauge Pressure; A=Absolute Pressure; Temp. Range for Assuring Accuracy: ①、②(0~50) °C; ③Non-corrosive Gas Compatible with Glass, Ceramics, Silicon, Nickel, Aluminum, etc.; ④Liquid, Gas or Steam Compatible with 316 Stainless Steel

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Differential Pressure Range Selection						
P/N	Pressure Range (mbar)	Type	Accuracy ①	Accuracy ②	Media	Burst Pressure
DP 0	0.6	D	1.6	--	③	3X
DP 1	2.5	D	0.5	--	③	3X
DP 2	10	D	0.1	--	③	3X
DP 3	20	D	--	0.05	③	3X
DP 4	50	D	--	0.05	③	3X
DP 5	100	D	--	0.05	③	3X

D=Differential Pressure; Temperature Range for Assuring Accuracy: ① (20±5) °C, ② (0~50) °C; ③ Non-corrosive Gas Compatible with Glass, Ceramics, Silicon, Nickel, Aluminum, etc

Compound Pressure Range Selection				
P/N	Pressure Range (bar)	Type	Accuracy ①	Media
CP 0	±0.0006	D	--	②
CP 1	±0.0025	D	--	②
CP 2	±0.01	D	--	②
CP 3	±0.02	D	0.05	②
CP 4	±0.05	D	0.05	②
CP 5	±0.1	D	0.05	②
CP 6	±0.16	G	0.05	②
CP 7	±0.25	G	0.05	②
CP 8	±0.4	G	0.05	②
CP 9	±0.6	G	0.05	②
CP 10	±1	G	0.05	②
CP 11	-1~1.6	G	0.05	②
CP 12	-1~2.5	G	0.05	②

G=Gauge Pressure; D=Differential Pressure; Temperature Range for Assuring Accuracy: ①(0~50) °C; ②Non-corrosive Gas Compatible with Glass, Ceramics, Silicon, Nickel, Aluminum, etc. All specifications are subject to change for product improvement without notice. Please contact us if have any special requirements.

## Display:

Description: Dual-line 6 full digit LCD with LED Backlight

## Pressure Units:

Pa, kPa, MPa, psi, bar, mbar, inH2O, mmH2O, inHg, mmHg

## Recorder Time and Capacity:

Response Time: 0.1ms

Start/Stop Time: Software programmable start time and date, up to six months in advance.

Memory Capacity: 262143 readings

Reading Rate: 1 reading every 2 seconds to 1 every 24 hours

## Environmental:

Compensated Temperature:

32F to 122 F (0 C to 50 C) or other compensated temperature range

\*0.025%FS accuracy guaranteed only over the ambient temperature range of 68 F to 77 F (20 C to 25 C)

Storage Temperature: -4 F to 158 F (-20 C to 70 C)

Humidity: <95%

## Media Compatible:

(0 ~0.16) bar: Non-corrosive Gas Compatible

(0.35~ 2500) bar: Liquid, Gas or Steam Compatible with 316 Stainless Steel

## Pressure Port:

1/4,NPT( 1000bar)

Over Pressure Warning: 120%

## Power:

Battery: Three AA alkaline batteries or one 3.6V Lithium Battery

Battery Life: 1 year battery life at 1 seconds reading rate with display

## Enclosure:

Case material: Aluminum alloy Wetted parts: 316L SS

Dimension: 100mm diameter X 37mm depth X132mm height

Weight: 0.45kg

## Communication:

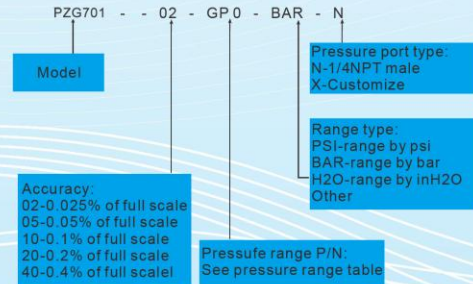
RS232 (DB9/F, environmentally sealed)

Baud Rate: 115200

Software: WINDOWS95/98/ME/NT/2000/XP/VISTA BASED

## ORDERING INFORMATION

### Model Number



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## Pressure Recorder Software

