

# ATLANTIS®

RE-ATLANTIS INTERPRISE CO., LTD

## DIGITAL PRESSURE GAUGE, DIGITAL PRESSURE GAUGE WITH SWITCH CONTACT CATALOG



### ATLANTIS®

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(If there is any change on specification, please take the latest version as standard.)

Ver.3.0



**DMPG-A2.5**

2.5" Digital Micro Pressure Gauge

**Application:** Suitable for micro pressure measurement, accuracy can up to 0.5%.

**Model:** DMPG-A2.5

**Size:** 2.5"

**Pressure range:** -300 ...+300mmWC / -5000...+5000 mmWC

**Pressure unit:** psi, mbar, mmWC, inWC

**Display screen:** 33 x 15 mm; 4-digit LCD, yellow backlight

**Resolution:** 0.001

**Accuracy:** 1.0%(0~50°C) / 0.5%(@22±3°C)

**Power supply:** 3V battery

**Protection level:** NEMA 4X /IP64



**DPG-3.0**

Digital Pressure Gauge (General Type)

**Application:** Aluminum alloy case with compact structure design. Qualified vibration and impact test make it suitable for hazardous and humid environments.

**Model:** DPG-3.0

**Size:** 3"

**Pressure range:** 0...5 to 5000 psi

**Pressure units:** psi, bar, kg/cm², inHg, mmHg, mbar

**Display screen:** 30 x 14.5 mm; 4-digit LCD; yellow backlight

**Resolution:** 0.001

**Accuracy:** 0.5% (0~50°C) / 0.25% (@22°C)

**Power supply:** 9V battery / 24V external power supply



**DPG-A60 Series**

Mini Air Digital Pressure Gauge

**Application:** Pressure gauge, it suitable in small size, simple and low cost demands.

**Model:** DPG-A60 Series

**Size:** 1.2"(30mm)

**Pressure range:** -0 to 10 bar / -101 to 0 kPa

**Pressure unit:** psi, bar, kg/cm², MPa, psi, bar, mmHg, kPa

**Display screen:** 25 x 15 mm; 3.5-digit LCD display Yellow backlight

**Resolution:** 0.001

**Accuracy:** 2% (0 to 50°C)

**Power supply:** CR 2032 lithium battery

**Protection level:** IP65



**DPG-S2.5**

Digital Pressure Gauge

**Application:** Suitable in indoor environment, with 0.5% accuracy and 600bar max.

**Model:** DPG-S2.5

**Size:** 2.5"

**Pressure range:** 0...1 to 600 bar

**Pressure unit:** psi, mH<sub>2</sub>O, mmHg, mbar, kPa, psi, bar, kg/cm², MPa, atm

**Display screen:** 46 x 15 mm; 4-digit LCD with backlight

**Resolution:** 0.001

**Accuracy:** 0.5%

**Power supply:** 1.5V battery x2 / 5~12VDC external power supply



## DPG-KS4.0

Digital Pressure Gauge

**Application:** Housing adopts SS304 makes it suitable in corrosive environment, various accuracy options are available.

**Model:** DPG-KS4.0

**Dimension:** 4"

**Pressure range:** 0...1 to 1000 bar

**Pressure unit:** kg/cm², bar, MPa, Pa, mmH₂O, kPa, psi, mH₂O

**Display screen:** 65 x 37mm; 6-digit LCD display

**Resolution:** 0.0001

**Accuracy:** 0.5% / 0.2%

**Power supply:** AA batteries x 2 / 3.6V lithium battery



## DPG-H3.5

Digital Precision Pressure Gauge

**Application:** A calibrator that specially apply to calibrate other pressure instruments.

**Model:** DPG-H3.5

**Size:** 3.5"

**Pressure range:** 0.4 bar to 2500 bar

**Pressure units:** kPa, MPa, Pa, psi, kgf/cm², bar, mbar, mmH₂O, mmHg

**Display screen:** 5-digit LCD with backlight

**Resolution:** 0.0001

**Accuracy:** 0.5% / 0.2% / 0.1% / 0.05%

**Power supply:** 3.6V Lithium battery / DC 8.5V (1.5A) Input



## AT803

Digital Precision Pressure Gauge

**Application:** Application: Apply to calibrate other pressure instruments, adjustable refresh rate and various pressure units.

**Model:** AT803

**Size:** 3.5"

**Pressure range:** -100 to 0 to 250 kPa / ±100kPa / 0 ... 250 MPa

**Pressure unit:** mmH₂O, mmHg, kgf, kPa, MPa, psi, bar, mbar

**Display screen:** 58 x 29 mm; 5&6-digit LCD; blue backlight

**Resolution:** 0.0001

**Accuracy:** 0.2% / 0.1% / 0.05% / 0.02%

**Power supply:** AA batteries x3 / DC 9V (2A)



## AT805A

Digital Precision Pressure Gauge  
(Economic Type)

**Application:** A calibrator that specially apply to calibrate other pressure instruments, adjustable refresh rates and selectable pressure units features.

**Model:** AT805A

**Size:** 4.3"

**Pressure range:** 760 mmHg...0 : 0...160 mbar to 2500 bar

**Pressure unit:** mmH₂O, mmHg, inH₂O, Pa, kPa, MPa, psi, bar, mbar

**Display screen:** 58 x 29 mm, 4-digit with backlight

**Resolution:** 0.0001

**Accuracy:** 0.5%, 0.2%, 0.1%

**Power supply:** 3.6V lithium battery





DPG-H4.5RS

Digital Precision Pressure Gauge

**Application:** A calibrator that specially apply to calibrate other pressure instruments.

**Model:** DPG-H4.5RS

**Size:** 4.5"

**Pressure range:** -1...0...0.4 to 2500 bar

**Pressure units:** Pa, kPa, MPa, psi, bar, mbar, kgf/cm<sup>2</sup>, mmH<sub>2</sub>O, mmHg

**Display screen:** 66 x 47mm; 6-digit LCD with blue backlight

**Resolution:** 0.0001

**Accuracy:** 0.1%, 0.05%, 0.025%

**Power supply:** Rechargeable lithium battery  
Include DC 8.4V charger



AT211H

Digital Precision Pressure Gauge

**Application:** A calibrator that specially apply to calibrate other pressure instruments.

**Model:** AT211H

**Size:** 4.4"

**Pressure range:** -100...0...16 kPa to 250 MPa,  
±250 Pa to ±60 kPa, -0.1 to 2.5 MPa

**Pressure unit:** Pa, kPa, MPa, psi, bar, mbar, kgf/cm<sup>2</sup>, inH<sub>2</sub>O, mmH<sub>2</sub>O, inHg, mmHg

**Display screen:** 67x33 mm; 5-digit LCD; blue backlight LED

**Resolution:** 0.0001

**Accuracy:** 0.2%, 0.1%, 0.05%, 0.02%

**Power supply:** 9V Alkaline battery / AC adaptor  
**Protection level:** IP64



AT211SH

Digital Precision Pressure Gauge

**Application:** A calibrator that specially apply to calibrate other pressure instruments.

**Model:** AT211SH

**Size:** 4.7"

**Pressure range:** -1 bar to 2500 bar

**Pressure units:** Pa, kPa, MPa, mmHg, kgf/cm<sup>2</sup>, cmH<sub>2</sub>O, mmH<sub>2</sub>O, psi, mbar, bar

**Display screen:** 6 digits LCD display with backlight

**Resolution:** 0.00001

**Accuracy:** 0.2%, 0.1%, 0.05%, 0.02%

**Power supply:** Rechargeable lithium battery / Adaptor

**Explosion-proof:** Exia II CT4Ga



DPG-806XB

Digital Pressure Gauge

**Application:** Adopts diffused silicon as measuring element, features wide pressure range and highest , it is suitable for hydraulic, oil, and air pressure measurement.

**Model:** DPG-806XB

**Size:** 2.5", 3", 4"

**Pressure range:** -100...0...10 kPa to 5 MPa,  
±100 kPa, 0 to 100 MPa

**Pressure units:** MPa, kg/cm<sup>2</sup>, kPa, psi, bar, mH<sub>2</sub>O, mmHg

**Display screen:** LCD 5-digit screen display with white backlight

**Power supply:** Lithium battery / 3A battery

**Accuracy:** 1.0%, 0.5%, 0.2%, 0.1%





DPG-Q2.5

Ø60 Digital Pressure Gauge

**Application:** Housing adopts SS304 makes it suitable in corrosive environment. Back mount and bottom mount type for easy installation.

**Model:** DPG-Q2.5

**Size:** 2.5"

**Pressure range:** -1 ... 0 to 1000 bar

**Pressure unit:** psi, bar, kPa, kg/cm<sup>2</sup>, MPa

**Display screen:** 40 x 18 mm;

4-digit LCD with backlight

**Resolution:** 0.001

**Accuracy:** 0.5%, 0.2%

**Power supply:** 3.6V lithium battery



DPG-CW0.1

Digital Precision Pressure Gauge

**Application:** Is specially design for high precision pressure measurement such as pressure gauge calibration.

**Model:** DPG-CW0.1

**Size:** 4"

**Pressure range:** -1 to 2500 bar

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

**Display screen:** 67 x 36mm; 5-digit LCD display

**Resolution:** 0.0001

**Accuracy:** 0.4%, 0.2%, 0.1%

**Power supply:** 3.6V Lithium battery



DPG-2.5

Digital Pressure Gauge  
(General Type)

**Application:** It adopts latest temperature compensation technology to ensure  $\pm 1.0\%$  F.S. accuracy within 0~5000 psi pressure measurement.

**Model:** DPG-2.5

**Size:** 2.5"

**Pressure range:** 0 to 5000 psi

**Pressure unit:** psi, bar, kg/cm<sup>2</sup>, MPa

**Display screen:** 31.5 x 16.5 mm;

4-digit LCD display with backlight function

**Resolution:** 0.001

**Accuracy:** 1.0%, 0.5%

**Power supply:** CR123A battery (3.0 V, 1400 mAh)



AT803-D

Digital Precision Differential Pressure Gauge

**Application:** Which is suitable for high precision micro differential pressure measurement such as on-site and laboratory pressure measurement and calibration.

**Model:** AT803-D

**Size:** 3.5"

**Pressure range:** 60 Pa to 10 kPa

**Pressure unit:** mmH<sub>2</sub>O, mmHg, inH<sub>2</sub>O, Pa, kPa, mbar

**Display screen:** 58 x 29mm; 5-digit LCD / 6-digit LCD

White backlight

**Resolution:** 0.0001

**Accuracy:** 1.6%, 0.5%, 0.1%, 0.05%

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



**DPG-0.5B2.5 (4.5CD)**

Economical Digital Pressure Gauge

**Application:** Is lightweight, low power consumption, and complete basic functions, which is suitable for general pressure measurement needs.

**Model:** DPG-0.5B2.5 (4.5CD)

**Size:** 3"

**Pressure range:** 0...200 kPa to 35 MPa;

-30 to 0 inHg

**Pressure unit:** psi, inHg, oz/in², MPa, inWC, ftWC, kg/cm², kPa, bar

**Display screen:** 46 x 23 mm; 4.5-digit LCD display

**Accuracy:** 0.5%

**Power supply:** AAA battery x2



**DPG-A2.5**

2.5" Digital Air Pressure Gauge

**Application:** Is designed for air pressure measurement, suitable for general industrial application.

**Model:** DPG-A2.5

**Size:** 2.5"

**Pressure range:** 0 ~ 150 psi

**Pressure unit:** psi, bar, MPa, kg/cm²

**Display screen:** 33 x 17mm; 4-digit LCD display with backlight function

**Resolution:** 0.001

**Accuracy:** 1.0%

**Power supply:** CR123A battery (3.0 V, 1400 mAh)



**DPS-1.0**

Digital Air Pressure Switch

**Application:** Two sets switch output, four switching modes are available for custom pressure and temperature activate point.

**Model:** DPS-1.0

**Size:** 1"

**Pressure range:** 0...1 to 250bar

**Pressure units:** psi, bar, kg/cm², MPa,

**Display screen:** 19 x 8mm; 4-digit LCD with backlight

**Resolution:** 0.001

**Accuracy:** 1.0%

**Switch alarm output:** NPN / PNP



**DPG-KX4.0**

Digital Pressure Gauge

**Application:** It features high accuracy, corrosion resistance, impact resistance, anti-vibration, minimum temperature drift and steady performance.

**Model:** DPG-KX4.0

**Size:** 4"

**Pressure range:** -0.1~100 MPa

**Pressure units:** Kg/cm², MPa, psi, bar, kPa, mH2O, mmH2O, inWC

**Display screen:** 65 x 37mm; 5-digit LCD display

**Accuracy:** 0.4%, 0.2%

**Power supply:** 1.5V battery\*3



FDPG-4-S1

Digital Manifold Gauge (Dual Gauge Type)

**Application:** It is suitable for measuring the pressure and temperature of non-corrosive refrigerant, liquid and alcohol, been widely used in the assembly and maintenance of the vacuum refrigeration system.

**Model:** FDPG-4-S1

**Size:** 3.0"

**Pressure range:** 0...725 psi; -29.5...0 inHg

**Pressure unit:** psi, bar, kPa, MPa, kg/cm<sup>2</sup>, °C, °F

**Display screen:** 43 x 24mm; 4-digit with backlight LCD

**Resolution:** 0.02

**Accuracy:** ±2psi / ±0.2bar / ±20kPa / ±0.02MPa / ±0.2kg/cm<sup>2</sup> / ±1inHg

**Power supply:** 9V LR battery x 1



FDPG-2013

Multi-functional Digital Manifold Gauge Set

**Application:** Refrigeration gauge has high accuracy, wide measuring range and complete performance. It can completely replace the traditional pointer type refrigeration gauge.

**Model:** FDPG-2013

**Dimension:** 190 x 140 x 80mm

**Pressure range:** 0...725 psi (0...50 bar);

0...435 psi (0...30 bar); 29.92 inHg...0 inHg

**Pressure unit:** inHg, bar, psi, kPa, Micron, kPa, °C, °F

**Screen display:** 71 x 43 mm; 4-digit with backlight LCD

**Applicable refrigerant type:** CFC / HCFC / HFC

**Accuracy:** 0.5%

**Power supply:** AA 1.5V battery x5



FDPG-1

Multifunctional Digital Refrigeration Gauge Set

**Application:** Is suitable for non-corrosive refrigerant, liquid and alcohol pressure and temperature measurement, which has been widely applied in the assembly and maintenance operation of vacuum refrigeration system.

**Model:** FDPG-1

**Dimension:** 210 x 130 x 75mm

**Pressure range:** 0...725 psi (0~50 bar)

**Pressure unit:** psi, bar, MPa, kPa, °C, °F

**Display screen:** 68 x 42mm; LCD screen with backlight

**Resolution:** 0.01

**Accuracy:** 0.75%

**Power supply:** 1.5V AA batteries x4 / Mignon / LR6 dry battery / rechargeable lithium battery



FDPG-2.5

Digital Refrigeration Gauge

**Application:** Can simultaneously display pressure and saturation temperature on LCD screen, Is suitable in pressure and temperature measurement for noncorrosive refrigeration, liquid and alcohols.

**Model:** FDPG-2.5

**Dimension:** 2.5"

**Pressure range:** -14.5 ~ 800 psi

**Pressure unit:** psi, bar, MPa, kg/cm<sup>2</sup>, kPa, °C, °F

**Display screen:** 4.5 digits LCD with backlight

**Resolution:** 0.001

**Accuracy:** 0.5%

**Power supply:** CR123A battery x1 (3.0V, 1400mAh)





DPS-3.0MD

Digital Pressure Switch

**Application:** One set switch output, hysteresis mode, progressive activated.

**Model:** DPS-3.0MD

**Size:** 3"

**Pressure range:** -0...5 to 5000 psi

**Pressure unit:** MPa, bar, kg/cm², psi, MPa, inHg, mmHg, mbar

**Display screen:** 30 x 14.5mm; 4-digit LCD Yellow backlight

**Resolution:** 0.001

**Accuracy:** 0.5% / 0.25%

**Analog output:** 4~20mA; Switch output: NPN / PNP

**Power supply:** DC 8-28V



DPS-K3.0

Digital LCD Pressure Switch

**Application:** One set switch output, in-built relay

**Model:** DPS-K3.0

**Size:** 3"

**Pressure range:** -0.1 MPa to 100 MPa

**Pressure units:** MPa, kg/cm², psi

**Display screen:** 40 x 17 mm ; 4-digit LED

**Resolution:** 0.001

**Accuracy:** 1.0%

**Switch signal:** Relay x1 / Relay x2

**Power supply:** DC 12/24V / AC 220V/380V



SDPS-4ED(0.5)

Digital Pressure Switch

**Application:** One set switch output, hysteresis mode, progressive activated.

**Model:** SDPS-4ED(0.5)

**Size:** 2.5" , 4"

**Pressure range:** 0 to 600 bar

**Pressure unit:** kPa, MPa, kg/cm², bar, psi

**Display screen:** 4-digit LED display

**Accuracy:** 0.5% / 0.25% / 0.1%

**Analog output:** Relayx4 / PNP / NPN

**Analog signal output:** 4-20mA / 1-5V / 0-5V / 0-10V

**Power supply:** 24VDC / 220VAC



DPS-2.5SPD3

Intelligent Pressure Switch

**Application:** Two sets switch output. Four switch modes

**Model:** DPS-2.5SPD3

**Size:** 2.5"

**Pressure units:** bar, kg/cm², kPa, MPa, psi, mmHg, inHg

**Display screen:** 35.5 x 18 mm; 5-digit LED display

**Accuracy:** 0.5%, 0.25%

**Alarm output:** NPN x2 / PNP x2 / Relay x2

**Alarm output:** 1~5V / 4-20mA

**Protection level:** IP65



**DPS-L131**

Digital Pressure Switch

**Application:** Can be applied to the extreme chemical environment, mechanical load and electromagnetic interference and other harsh industrial pressure measurement and control requirements.

**Model:** DPS-L131

**Pressure range:** 0...1 kPa to 40 MPa

**Pressure units:** kPa, MPa, bar, psi, mmHg, mmH<sub>2</sub>O, mH<sub>2</sub>O, inH<sub>2</sub>O, ftH<sub>2</sub>O, inHg, mHg, Torr, mbar, g/cm<sup>2</sup>, kg/cm<sup>2</sup>, Pa, atm, mm, m

**Display screen:** 23 x 13 mm ; 5-digit OLED screen

**Accuracy:** 0.1%

**Switch output signal:** NPN / PNP

**Power supply:** 12...30VDC



**DPS-4ED(0.5)**

LED Digital Pressure Switch

**Application:** It is suitable for pressure measurement, display, and control in power plants, water, petroleum, chemical industry, engineering and other industrial environments.

**Model:** DPS-4ED(0.5)

**Pressure units:** kPa, bar, psi

**Display screen:** 4-digit LED display

**Accuracy:** 0.5% / 0.25% / 0.1%

**Alarm output:** Relay x 2

**Analog signal output:** 4-20mA

**Power supply:** 24VDC / 220VAC



**DMPT-301-5CD**

Digital Micro Differential Pressure Transmitter

**Application:** Is mainly used in air micro pressure measurement, wind velocity/pressure measurement & control, leakage detection for HVAC, cleanroom, boiler or power plant field application.

**Model:** DMPT-301-5CD

**Pressure range:** 0...60 Pa to 200 kPa

**Pressure units:** psi, Pa, kPa, MPa, mbar, bar, mmHg, torr, atm, %, mm, cm, m, inH<sub>2</sub>O, ftH<sub>2</sub>O, inHg, g, kg/cm<sup>2</sup>, mA, mmH<sub>2</sub>O

**Display screen:** 5-digit LCD display with white backlight

**Accuracy:** 1.0% / 0.5% / 0.2%

**Output signal:** 4-20mA

**Power supply:** 12...45VDC



**DMPT-300 Series**

Differential Micro Pressure Transmitter

**Application:** Is mainly used in air micro pressure measurement, wind velocity/pressure measurement & control, leakage detection for HVAC, cleanroom, boiler or power plant field application.

**Model:** DMPT-300 Series

**Pressure range:** 0...60 Pa to 200 kPa

**Pressure units:** psi, Pa, kPa, MPa, mbar, bar, mmHg, torr, atm, %, in.H<sub>2</sub>O, ft.H<sub>2</sub>O, in.H<sub>2</sub>O, g, kg/cm<sup>2</sup>, mA, mmH<sub>2</sub>O

**Display screen:** 4-digit LED display

**Accuracy:** 1.0% / 0.5% / 0.2%

**Output signal:** 4-20mA

**Power supply:** 12...36VDC



## PST-MK484

Pressure Switch & Transmitter

**Application:** Also features high stability and reliability, it is suitable for measure and control of fluid pressure in electric power, drainage, and petrochemical industry.

**Model:** PST-MK484

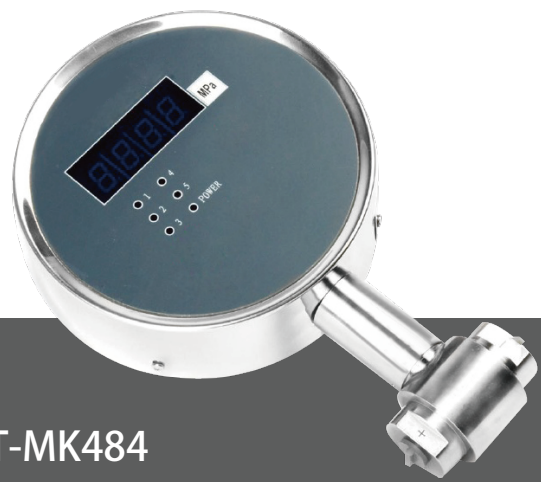
**Pressure range:** -0.1 MPa...0~0.1 MPa...100 MPa

**Screen display:** 0.56"3.5-digit red LED display

**Resolution:**  $\pm 1$  digit

**Output signal:** 4-20mA / 0-10mA / 0-20mA / 1-5VDC / 0-5VDC / 0-10VDC

**Power supply:** 24VDC / 220VAC



## DPST-MK484

Differential Pressure Switch & Transmitter

**Application:** Also features high stability and reliability, it is suitable for measure and control of fluid differential pressure in electric power, drainage, and petrochemical industry.

**Model:** DPST-MK484

**Pressure range:** 0 to 35 kPa...3.5 MPa

**Display screen:** 0.56"3.5-digit red LED display

**Resolution:**  $\pm 1$  digit

**Alarm output:** Relay x 2

**Output signal:** 4-20mA / 0-10mA / 0-20mA / 1-5VDC / 0-5VDC / 0-10VDC

**Power supply:** 24VDC / 220VAC



## DPS-ED3.0

Digital Air Pressure Switch

**Application:** Which is suitable for industrial process control in the hydraulic, pneumatic, energy and water treatment system.

**Model:** DPS-ED3.0

**Pressure range:** -1...0 to 2500bar

**Pressure units:** bar, kPa, psi

**Display screen:** 4-digit LED display

**Resolution:** 0.001

**Accuracy:** 0.5% / 0.1% / 0.25%

**Signal output:** Analog output 4-20mA

Digital output RS485

**Power supply:** 12~36VDC