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COMPANY PROFILE

CNGauge is the leading manufacturer of CNG gauges and Sensors in the world. Since entered into this field in year 2009, we have got consideration market share in both original and aftermarket. Based on our strong R & D capability, advanced product and production technology, CNGauge's products & brand have been recognized as reliable quality, our customers are from all major CNG market in the world and include many major global kit manufacturers. CNGauge has become the main supplier of such products, supplying more than 1.5 million pieces annually.

In original installation field, we also have important share, users include Volkswagen, Mazda, Chery, Geely, Hyundai, BYD, Citroen, etc.

CNGauge has strong design and development capacity, we may make deign and solutions as per customer's requirements. We are ISO9001 certificated, ISO15500 and ECE-R110 compliant.





Technologies





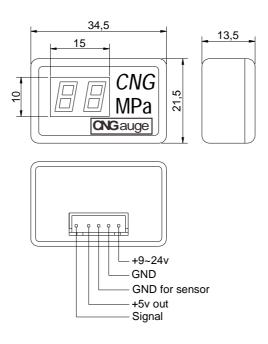




Digitron Display

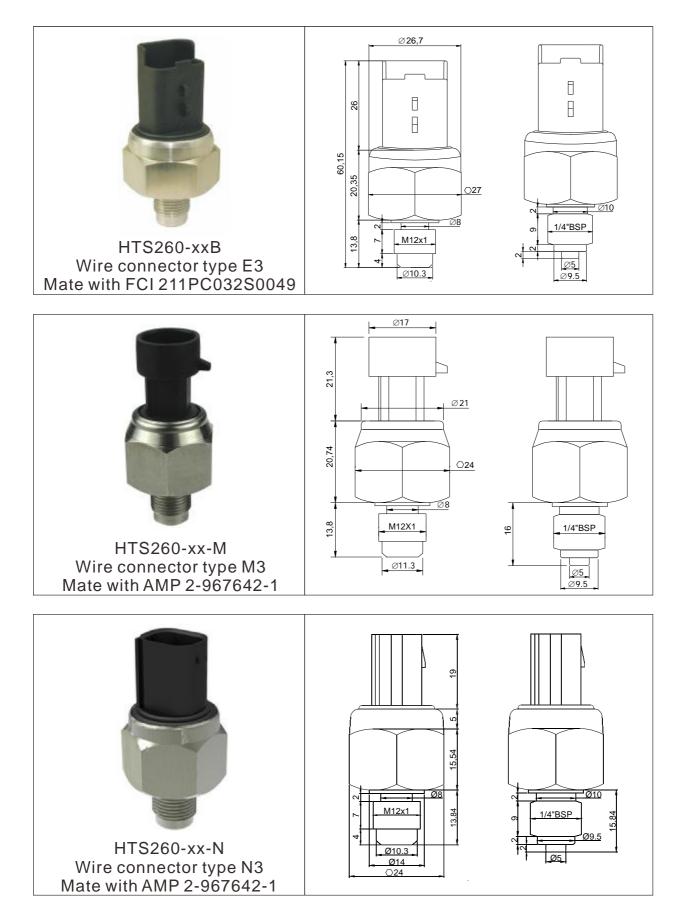


Model	DD01
Display	0.8" digitron
Connector	XH-5P
Installation	adhesive tape
Supply Volt	9~24v
Display	1MPa
Working Temp	-25~85 ℃





High Pressure Sensor - HTS260 Series





HTS260 Series high pressure sensor has stainless steel body, the pressure chip is made in Switzerland, the circuit chip is made in USA. This is a stable, durable, linear and accurate sensor, 3 digit display can be supported perfectly.

The library durability testing of HTS260 is up to 30,000 cycles, it is better than almost all of other brands in the world.

Technical Specifications:

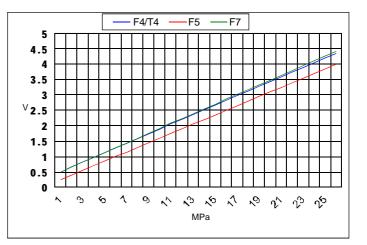
Working Pressure:	0-260bar	Working Temp:	-40~120°C
	other ranges available	Durability:	30,000 cycles
Burst Pressure:	>520bar	Socket:	M12*1, 1/4"BSP
Accuracy:	1.6% F.S.@25°C	Warranty:	2 years or 100K Km
	0.5% available	Certifications:	ECE-R110 / ISO15500
Linearity:	0.5%		

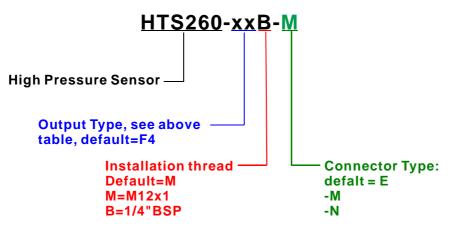
Quality Specifications:

Estimated durability in vehicle: around 8 years Real failure rate during warranty: Less than 0.1% Vibration effect: 0% accuracy distortion after vibration testing according to ISO15500-8 Temperature effect: Max 1.6% accuracy distortion under -40~120°C according to ISO15500-8

Output Types and Curves

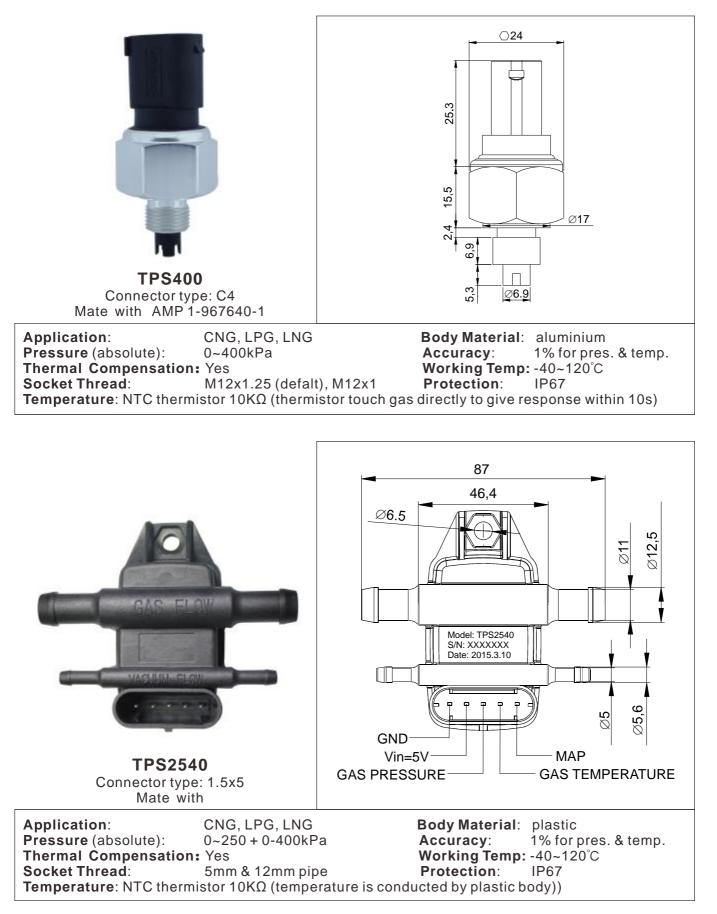
Output Type	Input Volt	Output Volt			
-F4	+5V	0bar/0.5V~260bar/4.5V			
-F5	+5V	0bar/0.25V~260bar/4.15V			
-F7	+5V	0bar/0.5V~250bar/4.41V			
-T4	+12V	0bar/0.5V~260bar/4.5V			
Other output type available as per customer's requirements.					



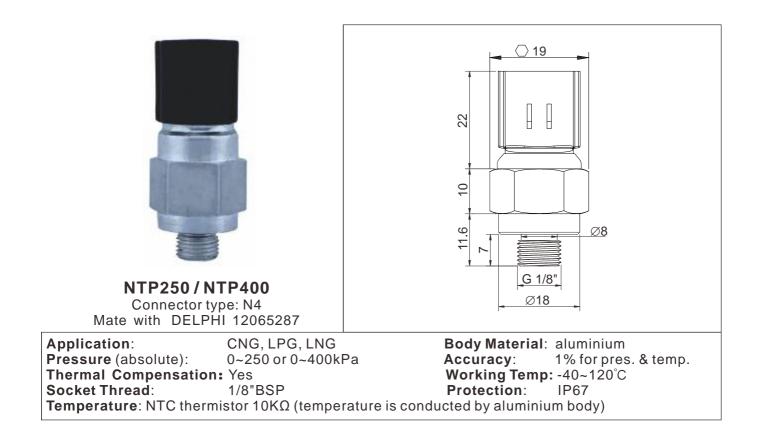


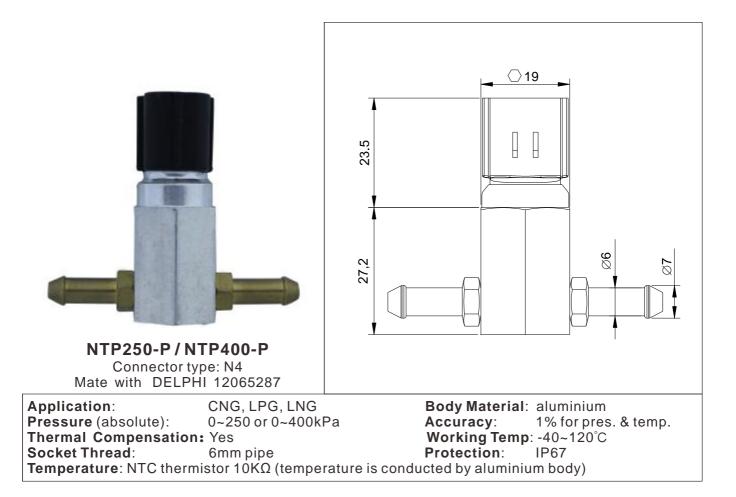


Low Pressure + Temperature Sensors







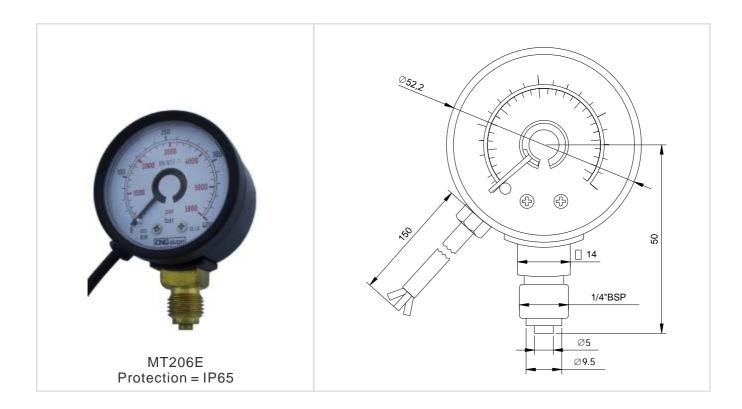


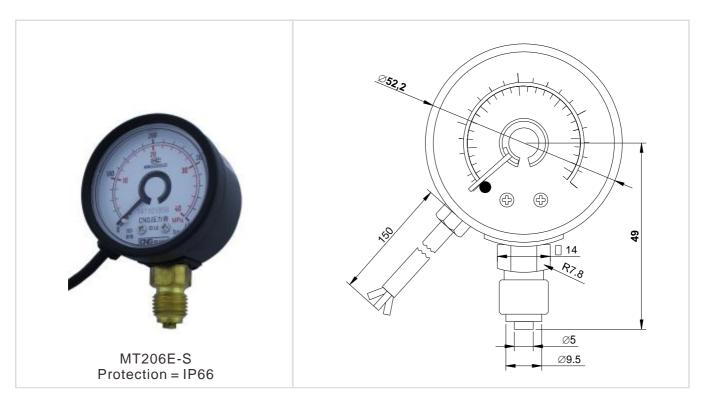




Optical Manometer - MT206E Series

MT206E series is designed based on the experiences of CNGauge in CNG field, by now, it is the most suitable version for CNG in the world, it uses substantial internal system, fitted structure for assembly, SMT type LEDs. Market has proved the low failure rate and stability of this product.







Technical Specifications:

Working Pressure:	0-2
Testing Pressure:	0-
Burst Pressure:	>1
Mechanical Accuracy:	1.6
Electronic Accuracy:	±1

0-200bar 0-400bar >1000bar 1.6% F.S.@25°C ±10 bar

Working Temp: Durability: Socket: Warranty: Certifications: -40~120°C 150,000 cycles M12*1.5, 1/4"BSP..... 2 years or 100K Km ECE-R110 / ISO15500

Quality Specifications:

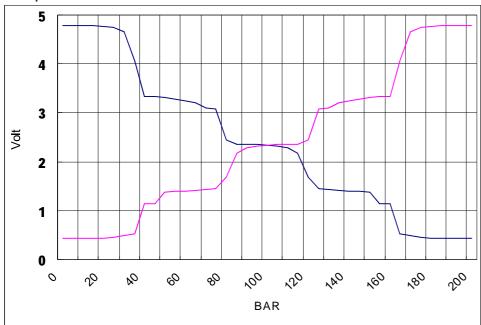
Estimated durability in vehicle: around 5 years Real failure rate during warranty: Less than 0.5% (much lower than traditional type manometer)

Output Type:

Output Code	Output Code Input Volt Tipical output (Pressure±10bar)		±10bar)	Remark		
	input voit	40bar 80bar 120bar	160bar	Remaik		
None	+5V	4v	3v	2v	1v	Need 12K Dividing resistor to supply, installed 150 Ω resistor for LED
-V	+5V	4v	3v	2v	1v	Volt output directly, installed 150Ω resistor for LED
-12V	+12V	4v	3v	2v	1v	Volt output directly, installed 470Ω resistor for LED
-371	+12V	9.6v	7.2v	4.8v	2.4v	Need 12K Dividing resistor to supply, installed 470 $\!\Omega$ resistor for LED
-F	+5V	1v	2v	3v	4v	Need 12K Dividing resistor to GND, installed 150 Ω resistor for LED
-F2	+12V	1v	2v	3v	4v	Need 4.7K Dividing resistor to GND, installed 470 Ω resistor for LED
-F3	+12V	1v	2v	3v	4v	Volt output directly, installed 470Ω resistor for LED

* In order to reduce display error, we strongly recommend that your switch or ECU use typical output.

Output Curve:



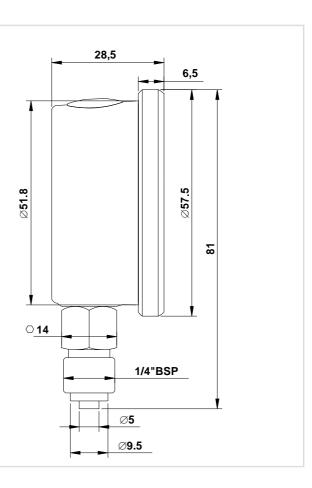


OEM Class Simple Manometer



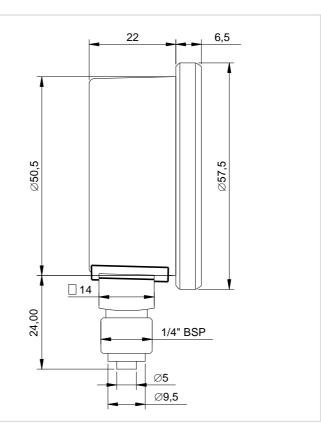
B101A

B101A is developed based on traditional industrial manometer, the oil is filled to reduce the damage of vibration, however, after using substantial internal system, the anti-vibration performance of new system is better than using oil. Installation direction of oil filled gauge is required as "stand".





Supported by substantial internal system, oil is unnecessary for improving the anti-vibration performance, our B207A's performance under vibration is not worse than other traditional manometers which filled oil, and B207A hasn't installation direction requirements to avoid leakage of oil.



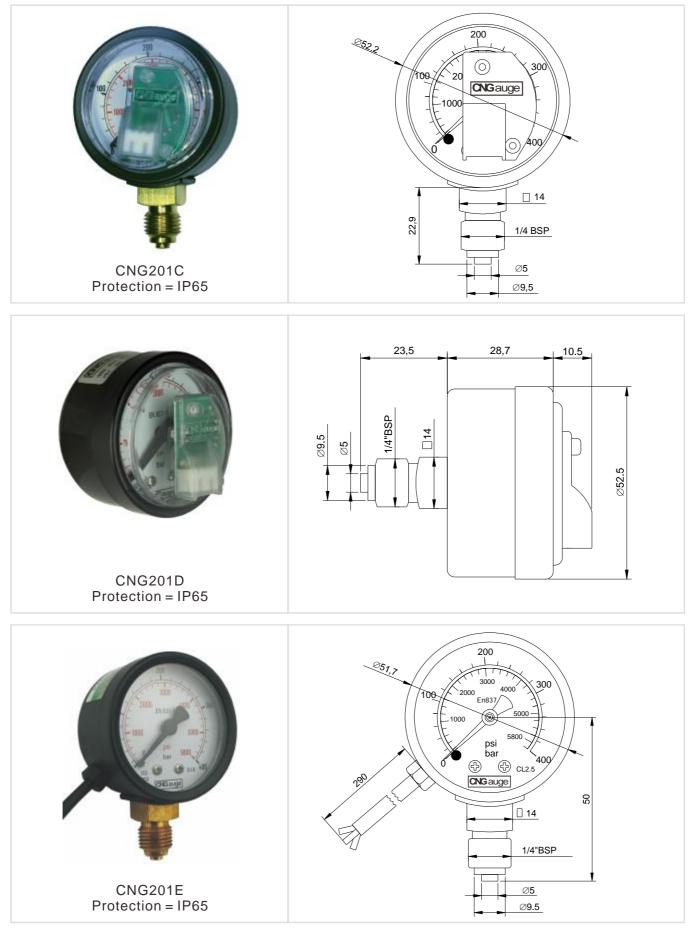


Economic Class Simple Manometer





Economic Class Optical Manometer





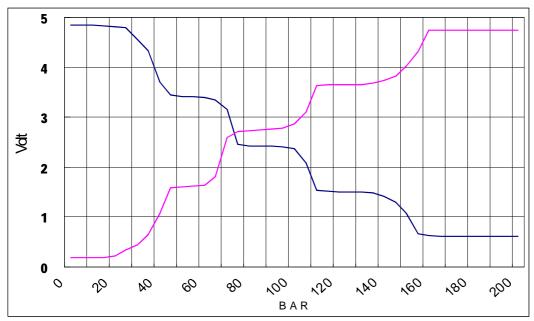
CNG201C / CNG201D series are the traditional optical sensor for CNG field, with sensor in front of the gauge and supply stable output. CNG201E series is an internal type optical sensor, supply more stable and accurate output.

CNG201C and CNG201E are economic version manometers, the mechanical accuracy is ±1.6%, electric output accuracy is ±10bar, support LED switches perfectly.

Output Type:

Output Codo	Input Volt	Tipical output (Pressure±10bar)		±10bar)	Remark	
	Output Code Input Volt	40bar	70bar	110bar	150bar	Remark
None	+5V	4v	3v	2v	1v	Need 12K Dividing resistor to supply, installed 150 resistor for LED
-V	+5V	4v	3v	2v	1v	Volt output directly, installed 150Ω resistor for LED
-12V	+12V	4v	3v	2v	1v	Volt output directly, installed 470Ω resistor for LED
-371	+12V	9.6v	7.2v	4.8v	2.4v	Need 12K Dividing resistor to supply, installed 470 resistor for LED
-F	+5V	1v	2v	3v	4v	Need 12K Dividing resistor to GND, installed 150 Ω resistor for LED
-F2	+12V	1v	2v	3v	4v	Need 4.7K Dividing resistor to GND, installed 470Ω resistor for LED
-F3	+12V	1v	2v	3v	4v	Volt output directly, installed 470Ω resistor for LED

* In order to reduce display error, we strongly recommend that your switch or ECU use typical output.



OUTPUT CURVE

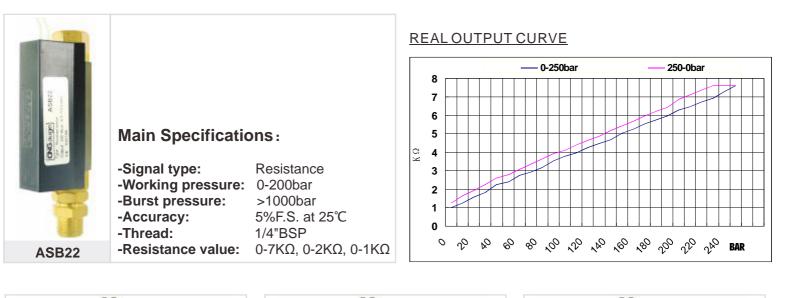


ASB22-R-A14

Resistance Sensors

R

NGauge





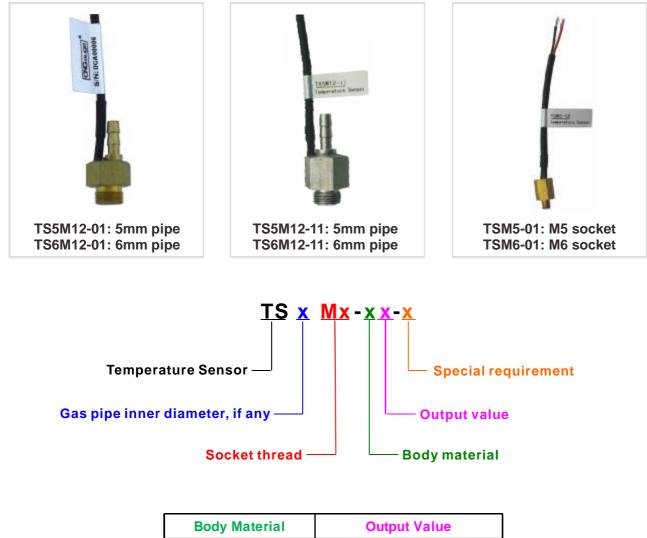
ASB22-R-A13

ASB22-R-A12



Temperature Sensors

Specifications				
Output type	NTC 2K Ω , 5K Ω , 4.7K Ω , 10K Ω or customerized			
Thread type	M5, M6, M12*1.5			
Pipe connector	Ø5 or Ø6 Pagoda-Shape connector			
Body material	Brass, Aluminium			
Working temperature	-40~125℃			
Accuracy	±1%			



Body Material	Output Value
0: brass	1: NTC 5KΩ
1: aluminium	2: NTC 10KΩ
	3: NTC 4.7KΩ
	4: NTC 2KΩ



Optional Connectors



4N - 4PIN water proof

CNGauge

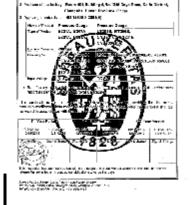
R

Certifications









ISO15500-8



