
2ch DIGITAL PRESSURE GAUGE

PG – 21 (00)

SPECIFICATIONS

Specifications are subject to change without prior notice.

Rev.	Date	Revision history			ChangeNo.	Rep.
Create	October 10, 2017	PANTOS CO., LTD.				
Revision						
Text	4 pages	Writing	Check	Approve	Document number	Rev.
Figure	0 sheet	Kumeki	Takahata	Takahata	PG21-00-0001	
Cover	1 sheet					

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1. Outline

This is capable of measuring a total of 2 channels including channels measuring pressure using a pressure transducer and channels measuring positive and negative pressure of an inlet manifold of a gasoline engine.

The measured value can be read directly with a digital panel meter and the calibrated signal can be taken out by the connector on the rear panel.

2. Specifications

Name	2ch digital pressure gauge		
Model	PG-21-00		
Number of measurement display	2 elements		
Display method	4 $\frac{1}{2}$ panel meter (Red LED, Character height is 13.2 mm)		
Display accuracy	($\pm 0.1\%$ FS) + (± 1 digit)		
Power supply	AC	90~132V 50/60Hz	5V Amax
	DC	9~16V	3V Amax
Usage environment	Temperature	4 ~ 40 °C	
	Humidity	35 ~ 85 % RH	
Storage environment	Temperature	-5 ~ 50 °C	
	Humidity	35 ~ 85 % RH	
External dimensions	250(W) × 100(H) × 250(D) mm (Projection things are not included)		
Mass	Approx. 3kg		

CH1

Function	Measurement of pressure measurement						
Measurement range	0~10 kg/cm ²						
Maximum input	15 kg/cm ²						
Adaptive converter	PG-21KU	by KYOWA					
Output voltage	0~1.000V						
Output current	5mA Max						
Measurement accuracy	Corresponds to converter applied voltage accuracy						
<table border="0"> <tr> <td rowspan="3" style="font-size: 2em; vertical-align: middle;">}</td> <td>Span</td> <td rowspan="3">±0.3% FS or below</td> </tr> <tr> <td>Linearity</td> </tr> <tr> <td>Stability</td> </tr> </table>	}	Span	±0.3% FS or below	Linearity	Stability	Zero drift	±0.01% FS/°C
		}		Span	±0.3% FS or below		
				Linearity			
Stability							
Span drift	±0.01% FS/°C						
Power supply for converter	±0.1% FS						

CH2

Function	Positive / negative pressure measurement	
Measurement range	0±100kPa	
Maximum input	+196kPa or below	
Output voltage	0±1.000V	
Output current	5mA Max	
Measurement accuracy	±0.25% FS	
Stability	Zero drift	±0.05% FS/°C
	Span drift	±0.05% FS/°C

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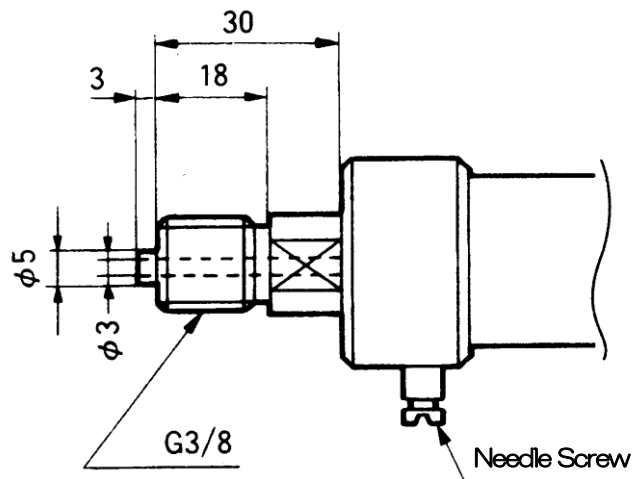
3. Accessories

AC power supply cable	2m	1
DC power supply cable(2P- Charge clip)	3m	1
Pressure sensor	PG-21KU	1 (for CH1)
Sensor extension cable(7P-7P)	5m	1 (for CH1)
Output cable(BNC-Y type terminal)	3m	1
Fuse for AC (5×20)	Time lag 0.5A	2
Fuse for DC (6×30)	2A	1
Grounding adapter		1
Instruction manual		1
Test result		1

4. Pressure sensor installation drawing

The sensor mounting screws are as shown in the figure.
Please install with the appropriate screws.

Recommended tightening torque	30N · m (kg · cm)
Maximum permissible tightening torque	60N · m (kg · cm)



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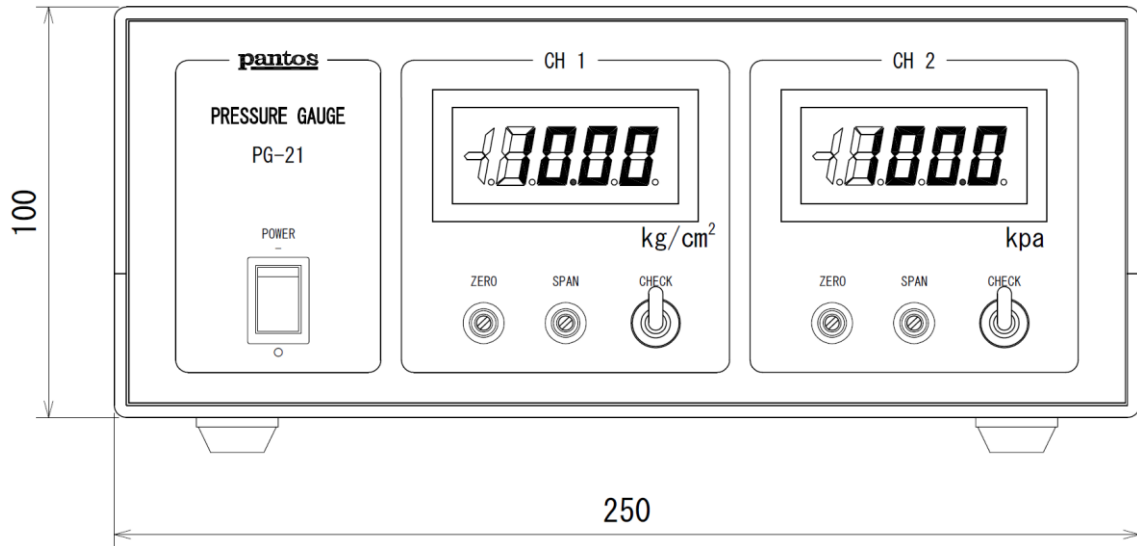
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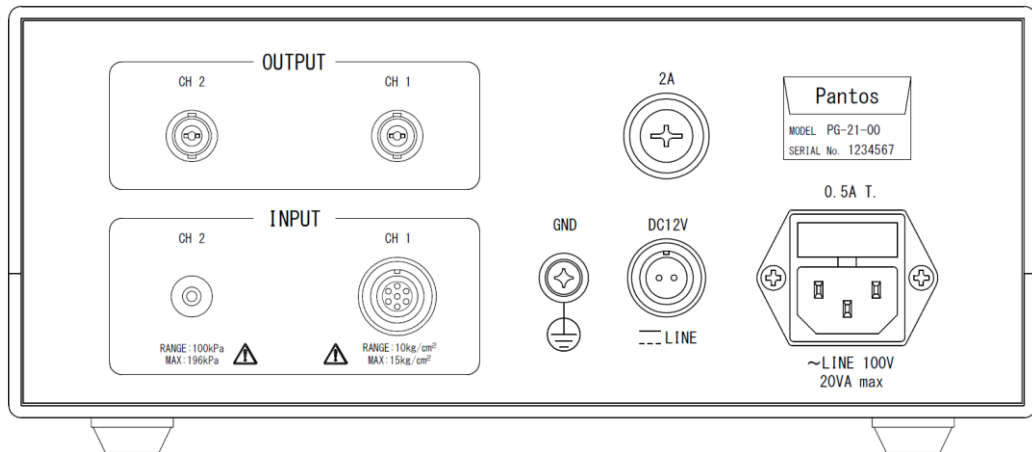
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5. External drawing

Front view



Rear view



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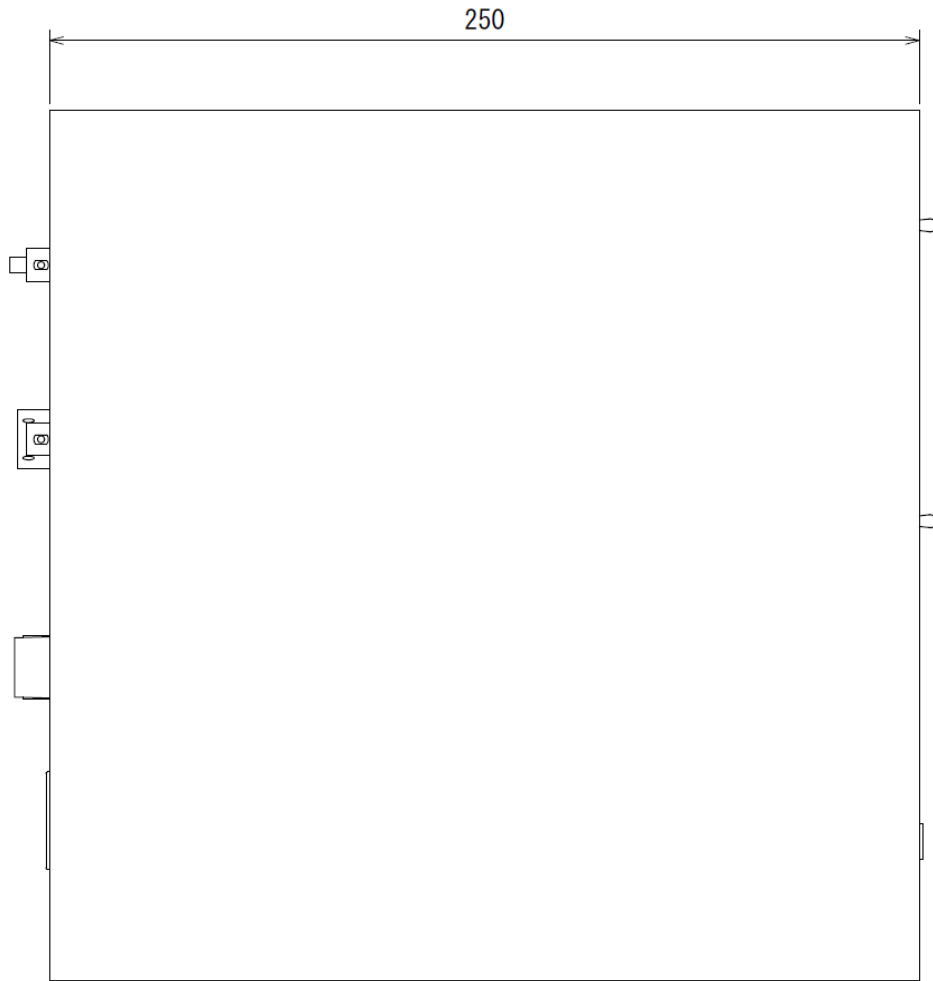
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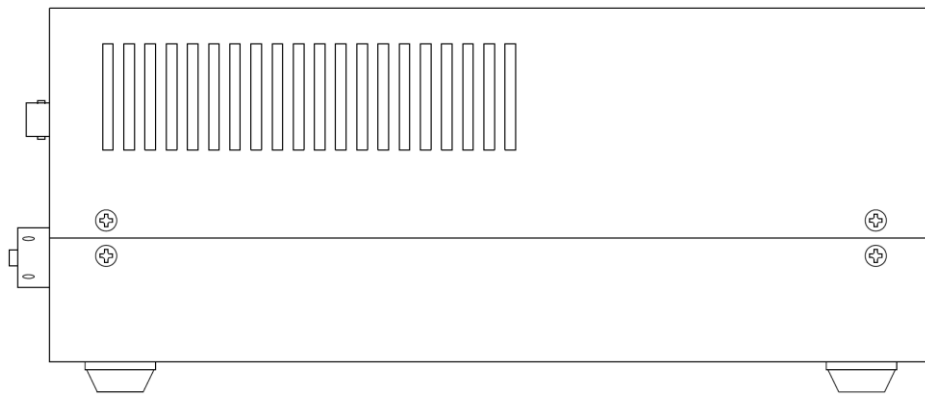
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Top view



Side view



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