
BAROMETER

BAR - 20 (01)

SPECIFICATIONS

Specifications are subject to change without prior notice.

Rev.	Date	Revision history			ChangeNo.	Rep.
	Create	October 6, 2017			PANTOS CO., LTD.	
	Revision					
Text	3 pages	Writing	Check	Approve	Document number	Rev.
Figure	0 sheets	Kumeki	Takahata	Takahata	BAR20-01-0001	
Cover	1 sheet					

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1. Outline

Equipment for measuring atmospheric pressure.
As for measured values, calibrated voltages can be taken out from a connector located on the rear panel.

2. Basic specifications

Model	BAR-20(01)
Name	Barometer
Function	Measurement of atmospheric pressure
Input	4.5 mm diameter (inner diameter : 3mm)

3. Measurement

Number of measurement display	1 element
Calculation	Atmospheric pressure
Measurement range	730mmHg ~ 800mmHg (97.325kPa ~ 106.658kPa) Maximum pressure 200kPa
Measurement accuracy	±0.25%/F.S.
Speed of response	10Hz(-3dB)

4. Output

Atmospheric pressure	0.46V ~ 0.60V / 730mmHg ~ 800mmHg (97.325kPa ~ 106.658kPa) Output = [Atmospheric pressure(mmHg) - 500] × 0.002V 1000mmHg = 1V 500mmHg = 0V
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Connector (5 pins) SRCN6A13-5P

1	CPU OUT +
2	CPU OUT -
3	CHASSIS GND
4	RECORDER OUT +
5	RECORDER OUT -

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5. General information

Power supply	AC 85~132V	Approx. 6VAmax
Usage environment	Temperature	5 ~ 45 °C
	Humidity	35 ~ 85 %RH
Storage environment	0°C ~ 45°C	No dew condensation
External dimensions	270(W)×85(H)×200(D)mm (Projection things are not included.)	
Mass	Approx. 2kg	
Vibration	0.1G or below (5~55Hz)	
Impact	Unacceptable	

6. Accessories

Instruction manual	1
Test result	1
Fuse 0.5A	2
Power supply cable 2m	1

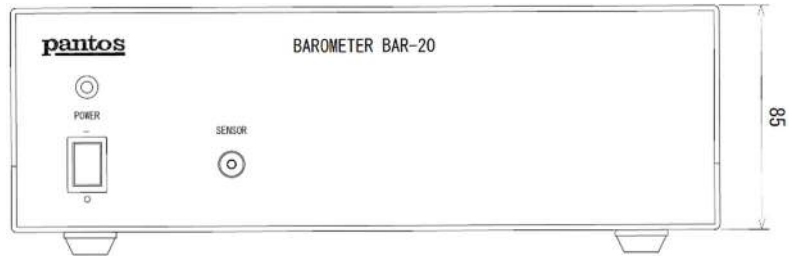
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7. External drawing

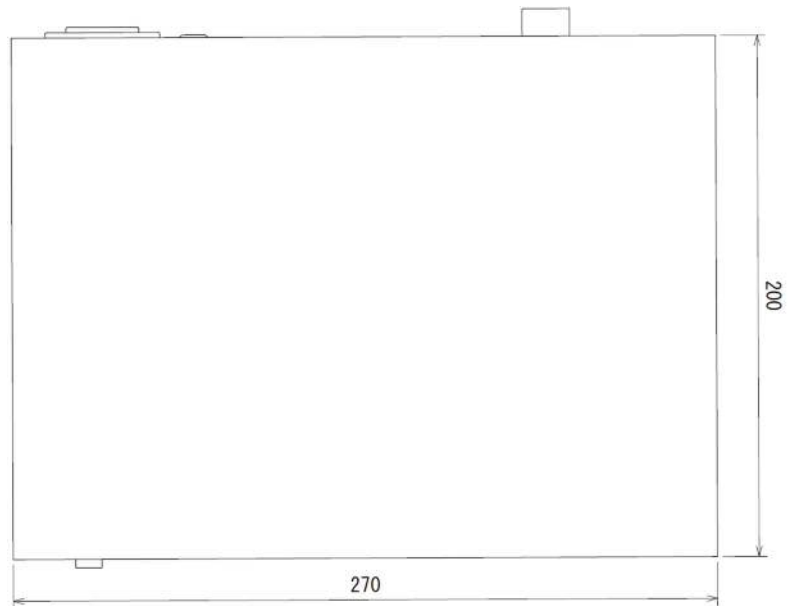
Front view



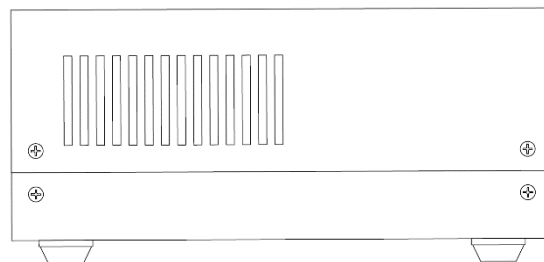
Rear view



Top view



Side view



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