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HBI-1000

Handheld Barometer

HBI-1000 is a portable digital barometer designed for accurate atmospheric pressure measurement in laboratories, research facilities, calibration rooms, and on-site locations. With temperature compensation ranging from -10°C to 50°C and high-resolution 6-digit display, it offers best-in-class performance for precise pressure monitoring. Equipped with data storage capabilities and an LED backlight, the HBI-1000 can also be used as a calibration device directly at the measurement site.

01 Applications

- Atmospheric pressure measurement in calibration rooms, research labs, and test environments
- On-site precision pressure measurements
- Transmitter calibration in cleanrooms and nuclear power plants

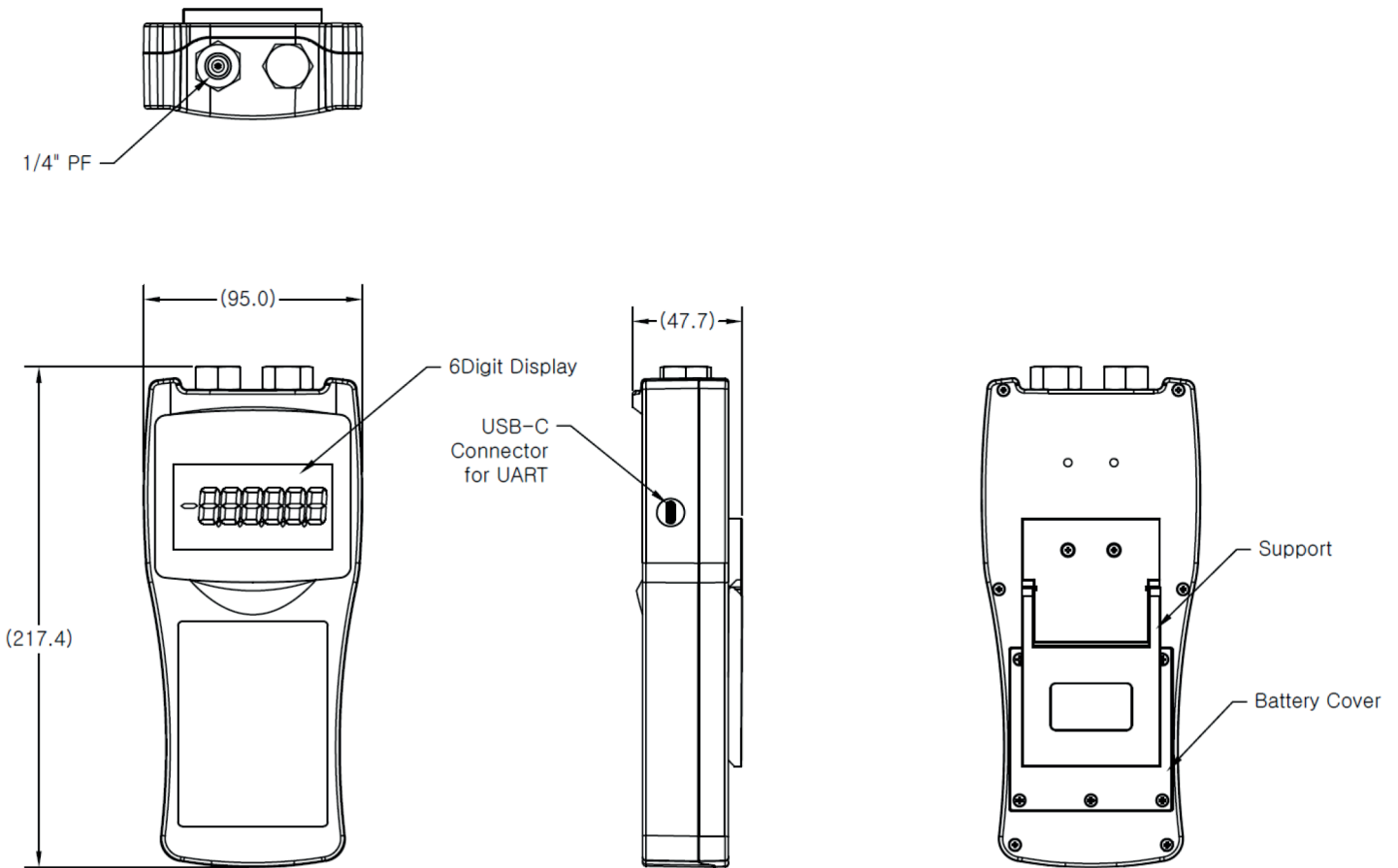
02 Specifications

Pressure Characteristics	Range	800 ~ 1200 hPa abs
	Accuracy	±0.2 hPa (-10 °C ~ 50 °C)
	Resolution	0.01 hPa
	Long Term Stability	±0.3 hPa / year
	Pressure port	1/4" PF female
Temperature Characteristics	Compensation Range	-10 ~ 50 °C
	Operating Temperature	-20 ~ 60 °C
	Storage Temperature	-40 ~ 70 °C
Pressure Units	Atm, hPa, kPa, MPa, kgf/cm ² , psi, mbar, bar, inHg, inH ₂ O, mmH ₂ O, mmHg, mSW, fSW	
Sampling rate	1 Hz	
Communication	Serial (UART) Communication via USB-C Port	
Communication Cable	USB-C type (Option)	
Power	3 × AA alkaline batteries or external power via USB-C	
Power Consumption	6mA @ Battery Power, Backlight Off	
Data Logging	Records every 1, 3, 5, 30, or 60 seconds (up to 10,000 entries)	
Display	Resolution ±999999, backlight On/Off, auto power-off function	
IP Rating	IP26	



HBI-1000

03 Dimensions



04 Ordering Information

