

BLOCK

BLOCK Differential Pressure

 Part **BLDIFP**

Retired product: no longer sold. Units in the field keep working in LF Cloud.

The BLOCK Differential Air (Gas) Pressure device is a precise and reliable solution for monitoring differential air or gas pressure within a range of 0 to 4,000 Pa. It is essential for maintaining optimal conditions in diverse settings, from industrial environments to specialized spaces like cleanrooms.

BLOCK


At a glance



MEASURES
 Differential Pressure, Water Depth, Temperature, Relative Humidity



CONNECTIVITY
 WiFi 2.4 GHz



INTERNAL MEMORY
 64,000 records of each measured parameter



RECORDING INTERVAL
 1 minute to 30 minutes



CLOUD SYNC INTERVAL
 1 hour to once a week



EXTERNAL POWER
 USB-C 5 V DC

Ports and connectivity

Port I

Not used

Port II

Dry Contact

Port III

Flood Detector

Connectivity

WiFi 2.4 GHz

Built-in sensors

SENSOR	RANGE	ACCURACY	RESOLUTION
Differential Pressure Built-in · Record & Alarm	0 kPa to 4 kPa (0 psi to 0.58 psi)	±1% of full scale	0.001 kPa (0.00015 psi)
Water Depth Built-in · Record & Alarm	0 mm to 400 mm (15.7 in)	±1% of full scale	1 mm (0.04 in)
Temperature Built-in · Record & Alarm	-20 °C to +70 °C (-4 °F to +158 °F)	±1.0 °C (±1.8 °F)	0.1 °C (0.2 °F)
Relative Humidity Built-in · Record & Alarm	0% to 99% non-condensing	±3 %RH	1%

— Plug-in sensors

SENSOR	CABLE
Digital Input Detachable · Optional · Alarm	Up to 100 m (330 ft)
Flood Detector Detachable · Optional · Alarm	Up to 100 m (330 ft)

RECORDING, LF CLOUD AND POWER

Internal memory	64,000 records of each measured parameter
Recording interval	1 minute to 30 minutes (down to 3 seconds by order, set by LoggerFlex)
Cloud sync interval	1 hour to once a week (down to 1 min. by order)
Battery	4 × AA batteries
External power	USB-C 5 V DC (supply not included)

ENCLOSURE AND ENVIRONMENT

Dimensions (L × W × H)	53 × 43 × 133 mm (2 3/32 × 1 11/16 × 5 1/4 in)
Net weight	196 g (6.9 oz)

WIRELESS AND COMPLIANCE

WiFi	IEEE 802.11 b/g/n, 2.4 GHz · Contains FCC ID 2AC7Z-ESPWROOM32
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— Good to know

Retired on 2026-10-10. Kept for installed-base support. There is no replacement yet.	Connects to the pressure ports with a 2 mm (0.08 in) inner-diameter, 600 mm (2 ft) silicone hose (included in the package).
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Request a quote →

Sold and supported through LoggerFlex distributors. An engineer replies within one business day.

sales@loggerflex.com 1-888-365-8880 www.loggerflex.com/en/product/block-diff-pressure



Product page,
manuals and
LF Cloud
setup