

BLOCK

BLOCK Fluid Pressure & Temp

 Part **BLTPRS-XXXX**

The BLOCK Fluid Pressure and Temperature monitoring solution provides precise measurements of fluid pressure and temperature, along with instant alarms for various applications. It also records ambient temperature and humidity and features two external ports for a flood sensor and a programmable digital input, which can function as a cumulative pulse counter or digital input alarm.



At a glance


MEASURES

Ambient Temperature, Relative Humidity, Fluid Pressure Sensor, Temperature Probe


CONNECTIVITY

WiFi 2.4 GHz


BATTERY LIFE

Up to 2 years on 4 × AA on the newer hardware


INTERNAL MEMORY

64,000 records of each measured parameter


RECORDING INTERVAL

1 minute to 30 minutes


INGRESS PROTECTION

IP31

Ports and connectivity

Port I

Temperature Probe

Port II

Dry Contact

Port III

Flood Detector

Connectivity

WiFi 2.4 GHz

Built-in sensors

SENSOR	RANGE	ACCURACY	RESOLUTION
Ambient Temperature Built-in · Record & Alarm	-20 °C to +70 °C (-4 °F to +158 °F)	±0.3 °C (±0.5 °F) typical	0.1 °C (0.2 °F)
Relative Humidity Built-in · Record & Alarm	0 %RH to 99 %RH non-condensing	±1.8 %RH typical	1 %

— Plug-in sensors

SENSOR	RANGE	ACCURACY	RESOLUTION	CABLE
Fluid Pressure Sensor Fixed · Included · Record & Alarm	0–1 bar up to 0–100 bar (0–14.5 up to 0–1,450 psi) by model; see Ordering information	< 0.5% sensor's full range	0.1 bar (1.5 psi)	0.9 m (3 ft)
Temperature Probe Detachable · Optional · Record & Alarm	–55 °C to +125 °C (–67 °F to +257 °F)	±0.5 °C (±0.9 °F) from –10 to +85 °C (+14 to +185 °F); ±2 °C (±3.6 °F) at –55 °C / +125 °C (–67 °F / +257 °F)	0.1 °C (0.2 °F)	1.5 m (4.9 ft) – extendable to 16.5 m (54 ft) in total with up to five 3 m (10 ft) extensions
Digital Input (Pulse Counter) 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

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)
Internal memory	64,000 records of each measured parameter
Battery life	Up to 2 years on 4 × AA on the newer hardware (depending on settings, reception, ambient temperature, battery quality and alarms)
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)
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— Ordering information

BLTPRS-0100	0 to 1 bar (0 to 14.5 psi; 100 kPa). Water tank depth up to 10 m (33 ft)	BLTPRS-001K	0 to 10 bar (0 to 145 psi; 1,000 kPa). City water supply pressure
BLTPRS-0250	0 to 2.5 bar (0 to 36 psi; 250 kPa). Water tank depth up to 25 m (82 ft)	BLTPRS-002K	0 to 20 bar (0 to 290 psi; 2,000 kPa)
BLTPRS-0500	0 to 5 bar (0 to 73 psi; 500 kPa)	BLTPRS-005K	0 to 50 bar (0 to 725 psi; 5,000 kPa)
		BLTPRS-010K	0 to 100 bar (0 to 1,450 psi; 10,000 kPa)

— Good to know

Pressure connector: 1/4" NPT.

Request a quote → sales@loggerflex.com 1-888-365-8880 www.loggerflex.com/en/product/block-fluid-pressure