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 · Included · 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)
Net weight	325 g (11.5 oz)
Ingress protection	IP31 (housing, protected against dripping water, not waterproof)
Probe extension	Up to 16.5 m (54 ft) in total, including the 1.5 m (4.9 ft) probe lead: up to five 3 m (10 ft) AUDEX3 extensions; keep two probe runs within 3 m (10 ft) of each other

WIRELESS AND COMPLIANCE

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

MORE FEATURES

Lowest working temperature	-30 °C (-22 °F)

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