



DeltaBlue

OUTDOOR IOT EDGE SOLUTION



DeltaBlue is a battery-powered, rugged device used for measuring and control in remote areas or installations without access to mains power or a fixed communication line.

An integrated GPS makes the DeltaBlue suitable for mobile applications such as petroleum tanks, cooling containers and construction machinery.

DeltaBlue is equipped with an accelerometer to recognise vibration/movement suitable for use in alarm applications.

OUTDOOR AND BATTERY-POWERED REMOTE MONITORING, ALARMING & LOGGING SOLUTION

FEATURES

- Up to 3 years battery life time*
- Integrated 7-channel data logger
- Integrated 2G/3G/4G wireless modem
- Integrated GPS, temperature, humidity, pressure sensor and accelerometer
- Pre-configured for the most common sensor types with 3.6V, 5V & 16V power feed.
- Easy access to logged measurements via ETM's IoT Cloud Dashboard (EWO)
- Delivered with battery, SIM card & integrated GSM and GPS antennas.
- Easy integration to SCADA and telemetry systems

BENEFITS

- Low cost and low maintenance
- Immediate notification via WEB, SMS or email when a serious event occurs
- Reduces down time and minimizes damage on equipment
- No need for fixed communication or power
- Multiple pre-configured inputs & outputs for easy and fast installation
- Remote user friendly configuration via ETM's IoT Cloud Dashboard (EWO)

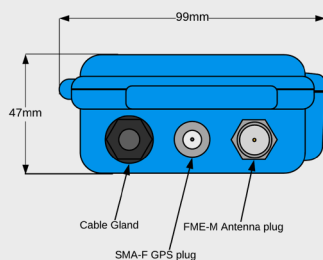
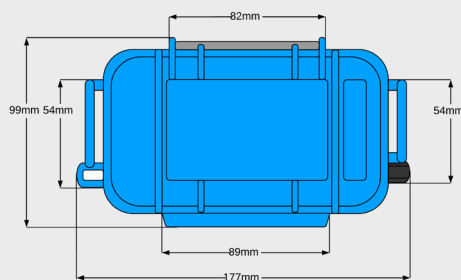


APPLICATIONS

- Tank measurements
- Well and pit monitoring
- Agriculture
- Water and sewer treatment
- Remote intruder alarms
- Goods tracking
- Lake water level monitoring

SENSOR TYPES

- Temperature & humidity
- Level
- Flow
- Pressure
- Rain and climate meters
- Pulse - meters, electrical, water, gas
- CT - Current transducers



The DeltaBlue comes with pre-provision SIM-card. Connect the sensors, turn on the power and log into ETM's IoT Cloud Dashboard (EWO) to remotely manage DeltaBlue and get access to the measured data from anywhere.

SPECIFICATIONS

Model	DeltaBlue I/O	DeltaBlue I/O + GPS
Part.no:	71504	71505
GPS	No	GPS/QZSS, GLO, Gal, BDS
Antenna	Cellular: Integrated GPS: No	Cellular: Integrated & External GPS: Integrated & External
Cellular	2G , 3G and 4G LTE: 700/800/850/900/1700/1800/1900/2100/2600 MHz (band 1, 2, 3, 4, 5, 7, 8, 12, 18, 19, 20, 28) UMTS: 800/850/900/1700/1800/1900/2100 MHz (band 1, 2, 4, 5, 8, 9, 19) GPRS: 850/900/1800/1900 MHz	
Connections	2 metre cable with free ends 1 digital I/O and pulse counting 4 analogue 4-20 mA inputs or 0-2,5 V inputs/ Digital I/O 1 analogue 0-5V or 0-10V input 1 stabilized and controlled output for sensor feed, selectable 3.6V, 5V or 16V Separate internal connector for I ² C bus	
Internal sensors	Temperature: accuracy $\pm 0.2^{\circ}\text{C}$ Humidity: accuracy $\pm 3\%$ Accelerometer: 3-axis motion detector	
Operating temp.	-30°C to +70°C	
Weight	340 g	
Size	70 x 99 x 47 mm (excluding cable grommet)	
Casing	Ventilated IP67 casing in Polycarbonate with Nitril-sealing and hinges in stainless steel.	
Accessories	Temperature sensor, temp/humidity sensor, depth pressure sensor, lockable wall mounting bracket in stainless steel , 14 Ah battery, variety of external cellular/GPS antennas	
	* Up to 3 years battery life when logging every hour and sending via 2G/3G/4G every six hour without sensor feed and GPS.	

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