



# WATCHLOG BLUETOOTH

## WIRELESS PRESSURE SENSOR

### HT-WLBP

- Powered by 2x AA batteries giving up to 5 years battery life
- Transmit pressure readings up to 700 bar via Bluetooth to iOS and Android apps
- Connect up to 12 transmitters to one or many devices
- Signal transmission up to 90m

### SECTORS

Plant Engineering  
 Industrial machinery  
 Agricultural machinery  
 Hydraulics  
 Automotive

Our powerful free app lets users create custom projects and customisable dashboards to display values and log data.



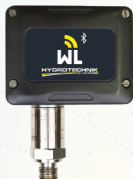


# HT-WLBP WATCHLOG WIRELESS PRESSURE SENSOR

Our Bluetooth® pressure sensor system sends data straight to your device, making multi-channel wireless pressure monitoring affordable for small scale applications.

Create custom projects and displays to show data in a format which suits you. Displays can be created using a number of graphic and numeric widgets.

Readings can be transmitted at rates of 100ms up to 10s over distances of up to 90m.



Transmission rates and password protection can be adjusted using the app.

The datalogging feature includes scanning rates from 500ms up to 10 minutes and stored history points from 10 through to 10,000.

Logged data can be shared using multiple methods including text message and email directly from the app.



## HT-WLBP ASSEMBLY OVERVIEW



Powered by 2 'AA' batteries  
(Energizer® Ultimate  
Lithium I91 recommended)

Optional mounting  
points



Power LED

Environmentally  
sealed to IP67



Watchlog transmitters can be provided as compact fixed units or with cables which allow for remote placement of the transmitter.



**WATCHLOG  
SOFTWARE  
IS SUPPLIED  
FREE OF  
CHARGE WITH  
ALL SENSORS.**



Watchlog pressure sensors can be mounted to Minimises test points, enabling fitting and removal even under full system pressure (up to 630 bar).



# HT-WLBP WATCHLOG WIRELESS PRESSURE SENSOR

## WATCHLOG BLUETOOTH APP

iOS & Android apps download directly from the Apple App Store or Google Play.

**FREE IOS  
AND ANDROID  
MOBILE APPS  
FOR VIEWING  
AND LOGGING  
DATA.**



- Create, view and share projects
- Choose from various display tiles, colours and layouts
- Calculate and display custom values using the expressions function
- Selectable display scanning rates from 100ms to 10s
- Export logged data in CSV / text format at up to 500ms scanning rate
- Create visual alarms for clear under or over pressure warnings
- View minimum and maximum values for each connected sensor
- Save battery by putting transmitters to sleep when not in use
- Password protection

## BLUETOOTH CONNECTION OPTIONS

### One-to-One



### One-to-Many



### Many-to-One



### Many-to-Many



**SHARE DATA  
INSTANTLY BY  
PRESSING &  
HOLDING THE  
GRAPH TILE.**



# HT-WLBP WATCHLOG WIRELESS PRESSURE SENSOR

## TECHNICAL SPECIFICATIONS

### Watchlog Transmitter

Specification	Detail
Wireless range - depending on mobile device	up to 90 meter
Transmission rate	100ms...10s
Power supply	2xAA batteries *
Wireless transmitter enclosure operating temperature	-40...+85°C
Battery life	up to 5 years
Pressure sensor media temperature	-55...+175°C
Pressure sensor ambient temperature	-55...+175°C
Pressure sensor repeatability	0.1% FSO (BFSL)
Pressure sensor wetted parts	Titanium
IP rating	IP67

\* Energizer® Ultimate Lithium L91 recommended

### Pressure sensor

Pressure range	Over pressure (max)	Burst pressure (min)
0...25 bar	50 bar	75 bar
0...160 bar	230 bar	480 bar
0...400 bar	800 bar	1200 bar
0...700 bar	1400 bar	2100 bar

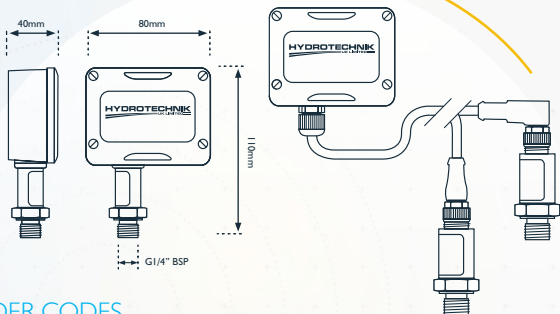
Other pressure ranges available on request





# HT-WLBP WATCHLOG WIRELESS PRESSURE SENSOR

## DRAWING



## ORDER CODES

**HT-WLBP - XXXX - Y Z.Z**

Replace **XXXX** with below code for the required pressure range

**0025** = 0...25 bar  
**0160** = 0...160 bar  
**0400** = 0...400 bar  
**0700** = 0...700 bar

*Other pressure ranges available on request*

Replace **Y** with below code for the required sensor

Connector type

**A** = 90° angled  
**S** = Straight

*Leave blank if no cable required*

Replace **Z.Z** with below code for cable length

**1.5** = 1.5 meters  
**3.0** = 3.0 meters  
**5.0** = 5.0 meters  
**10.0** = 10.0 meters

*Other lengths available on request*

## ORDERING EXAMPLES



**HT-WLBP-0400**

0...400 bar pressure sensor directly mounted to Watchlog transmitter.



**HT-WLBP-0160-S3.0**

0...160 bar pressure sensor cable mounted to Watchlog transmitter using a 3.0m cable and a straight connector.



**WATCHLOG** REPRESENTS A HUGE STEP IN THE PROVISION OF A SECURE POINT TO POINT USB AND WIRELESS TRANSMISSION OF SENSOR SIGNALS.



Watchlog USB is a new generation of sensors and datalogging solutions from Hydrotechnik UK using our Watchlog USB dual pressure & temperature vv with transmission rates of up to 500 times per second.



Watchlog Bluetooth® is a new generation of short range wireless measurement of pressures, designed to work with iOS and Android mobile devices as well as Windows tablets and PC's.



The Watchlog Wireless sensor system is our short to medium (up to 1.6km) range wireless monitoring option for up to 60 sensors at one time. Watchlog wireless is designed for pressure, temperature, level or flow sensors in applications where cabled sensors or power are not possible.



Watchlog Pro & Watchlog Vision has been developed to support wireless transmission of a huge range of sensors and signals over longer distances (up to 5km). Up to 60 sensors can transmit to one receiver which includes oil life, pressure/differential pressure, level and temperature, flow, force, CANbus and much more, for local, remote and cloud management.

## CONTACT

Call us on **0800 068 4134** for more information and to obtain our other brochures:

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