



HYDROTECHNIK
UK LIMITED

WATCHLOG WIRELESS PRESSURE, FLOW & TEMPERATURE TEST KIT WLWTK

Portable wireless pressure, flow or temperature test kit

Test pressures up to 700 bar, flow rates up to 1000 l/min & temperatures up to 200°C

Acquire sensor data wirelessly up to 800m distance

Supplied with Windows tablet and receiver with Watchlog wireless software

View and log data numerically and graphically

Powered by 2x AA batteries

All housed in a rugged ABS IP67 carry case



- 📶 The ideal field service or R&D tool for multi-channel data wireless monitoring of hydraulic or process systems.
Measure and log up to 4 channels of external sensor data both graphically and numerically.
Up to 60 sensors can be connected, numerically viewed & logged.

SECTORS

Plant Engineering
Industrial machinery
Agricultural machinery
Hydraulics
Automotive



WATCHLOG WIRELESS TEST KIT

Watchlog wireless test kit is a portable wireless sensor test kit that allows for user configurable mix of pressure, temperature or flow sensors (others available on request). Kits are designed for any combination of up to 4 sensors with supplied Windows tablet and Watchlog software allowing for numerical and graphical viewing and logging of all sensors simultaneously up to 800m.

10" touchscreen Windows tablet and keyboard with Watchlog Wireless software



WLW-Bsue USB wireless signal receiver



WLWP wireless pressure sensors. Transmitters sensor mounted or 3m cable mounted. 0...25, 160, 400 and 700 bar options



WLWT wireless temperature sensors. Transmitters sensor mounted or 3m cable mounted. -50...100°C or -50° to 200°C



WLWF wireless turbine flow meters sensors. Transmitters 4m cable mounted. Ranges from 1 up to 1000 l/min. 420 bar max.

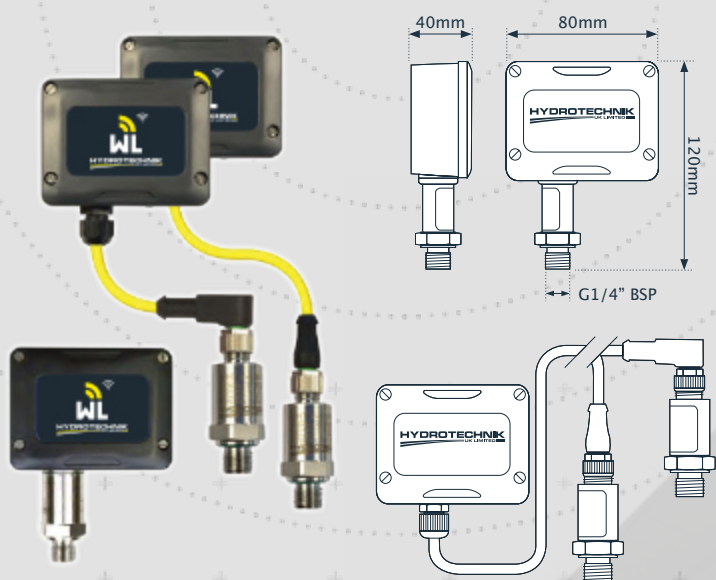




WATCHLOG WIRELESS TEST KIT

Please see below specifications of available sensors and ranges with the required codes to configure your own Watchlog Wireless Test Kit (see full kit part code configurator on page 6)

WLWP WATCHLOG WIRELESS PRESSURE SENSORS, AA TRANSMITTERS, DIRECT OR 3 METER CABLE MOUNTED

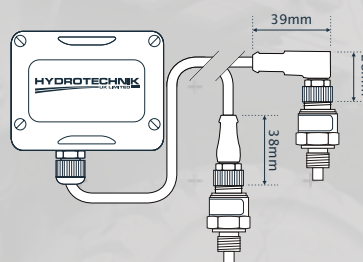
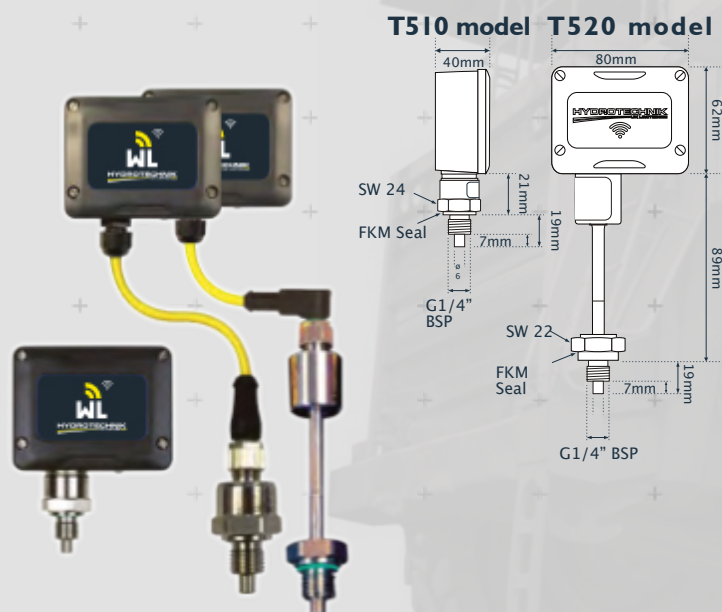


PRESSURE SENSOR OPTIONS

Pressure range	Transmitter type	Order code
0...25 bar	Direct mount	P025
	Cabled 3m	P025C
0...160 bar	Direct mount	P160
	Cabled 3m	P160C
0...400 bar	Direct mount	P400
	Cabled 3m	P400C
0...700 bar	Direct mount	P700
	Cabled 3m	P700C

Transmitters are powered by 2xAA batteries

WLWT WATCHLOG WIRELESS TEMPERATURE SENSORS, AA TRANSMITTERS, DIRECT OR 3 METER CABLE MOUNTED



TEMPERATURE SENSOR OPTIONS

Temp. range	Transmitter type	Order code
-50...+100°C	Direct mount	T510
	Cabled 3m	T510C
-50...+200°C	Direct mount	T520
	Cabled 3m	T520C

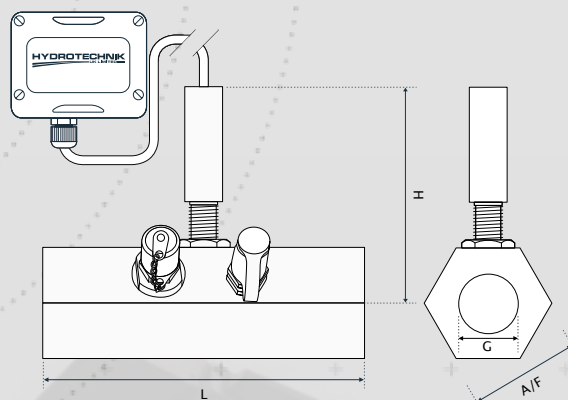
Transmitters are powered by 2xAA batteries



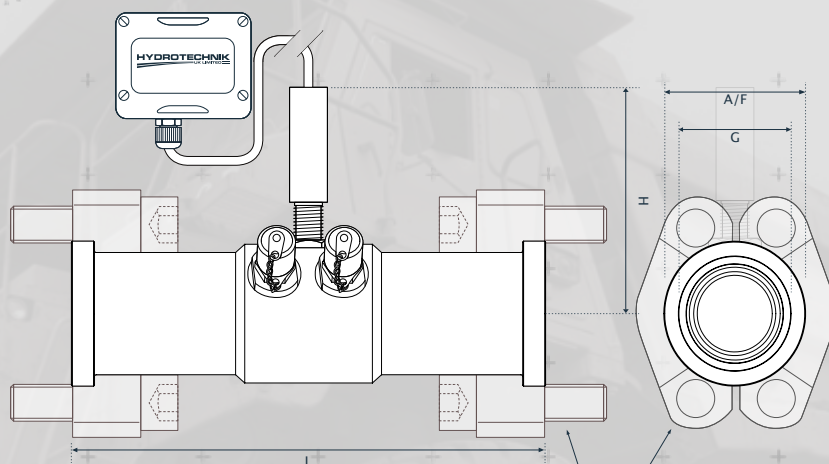
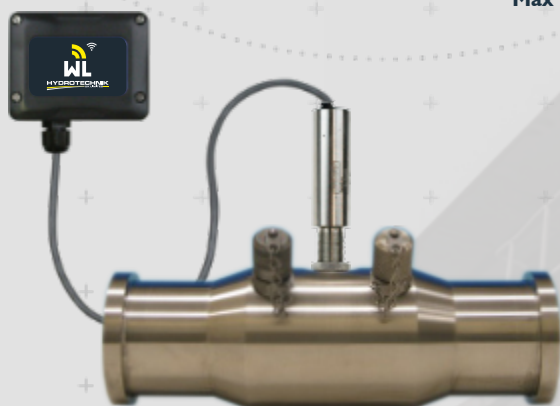
WATCHLOG WIRELESS TEST KIT

Please see below specifications of available sensors and ranges with the required codes to configure your own Watchlog Wireless Test Kit (see full kit part code configurator on page 6)

WLWF WATCHLOG WIRELESS FLOW METERS, 4 METER CABLE MOUNTED AA TRANSMITTERS



1...10 to 600 l/min models
Max working pressure 420 bar



1000 l/min model
Max working pressure 420 bar

2" SAE split flange
connection
High pressure 6000 psi
(supplied on request)

FLOW METER OPTIONS

Flow rate	L	A/F	G	H	Order code
1...10 l/min	120mm	41mm	ISO 228-G1/4	95mm	0010C
7.5...75 l/min	130mm	46mm	ISO 228-G3/4	98.5mm	0075C
15...300 l/min	150mm	55mm	ISO 228-G1	106mm	0300C
25...600 l/min	174mm	60mm	ISO 228-G1.1/4	111mm	0600C
45...1000 l/min	256mm	n/a	2" SAE flange	117mm	1000C

Transmitters are powered by 2xAA batteries

All options are cable mounted and suitable for pressure ranges up to 420 bar max

Flow meter supplied with calibration certificates for 32 cSt oil



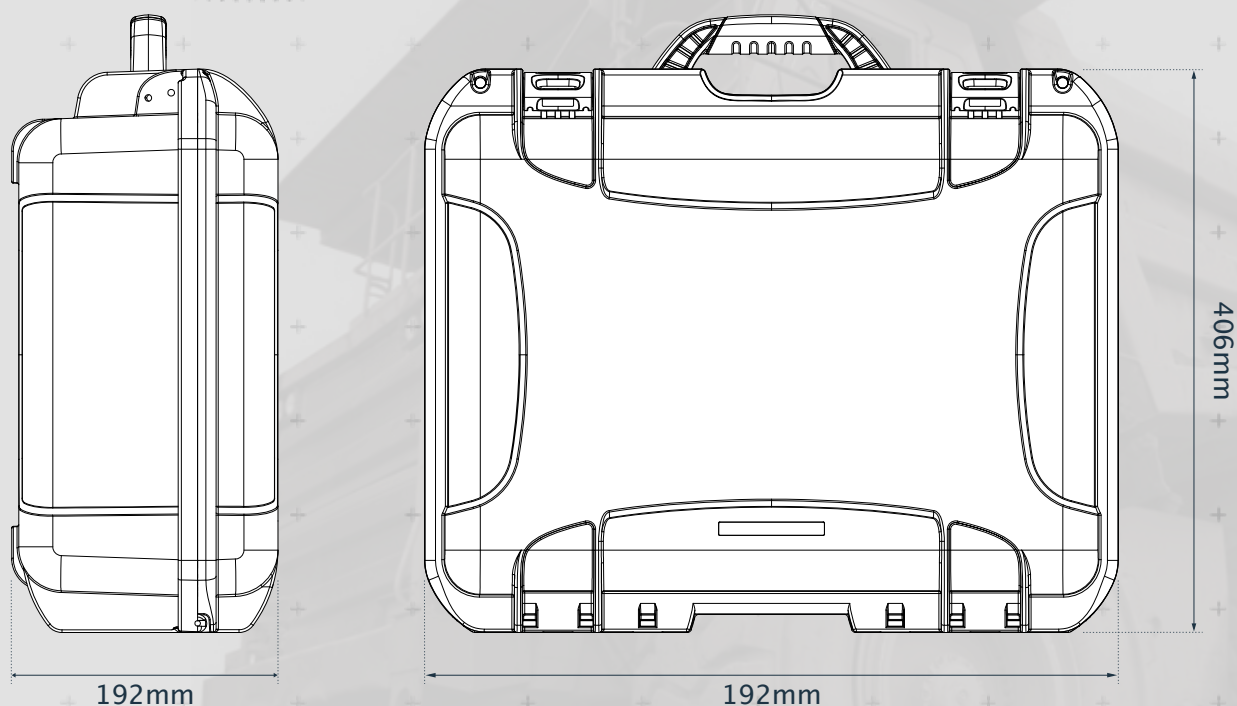
WATCHLOG WIRELESS TEST KIT

TRANSMITTER TECHNICAL SPECIFICATION

Specification	Detail
Wireless range (maximum)	800 meters
Wireless range (maximum with HT-AR extender)	1 600 meters
Transmission rate	100ms...60s
Power supply	3 Vdc (2xAA battery)
Battery life	Up to 5 years
Wireless transmitter enclosure operating temperature	-20...55°C

CASE SPECIFICATION

The Watchlog Wireless Kit includes a lightweight rugged high-quality waterproof storage case made from NK-7 resin suitable for industrial settings. Custom cut foam inserts ensure your Watchlog Wireless sensors and transmitters are stored safely.

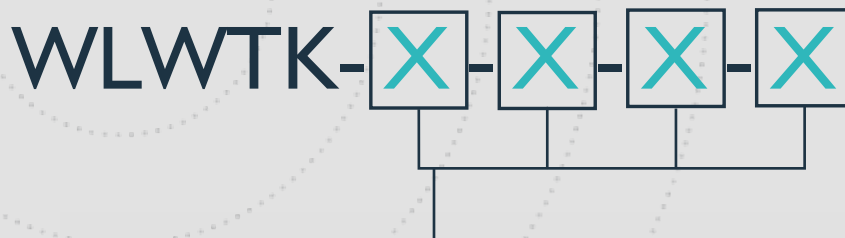




WATCHLOG WIRELESS TEST KIT

ORDER CODES FOR WATCHLOG WIRELESS KIT

Select at least one and up to four sensors of your choice to configure your kit



PRESSURE SENSOR OPTIONS

Pressure range	Transmitter type	Order code
0...25 bar	Direct mount	P025
	Cabled	P025C
0...160 bar	Direct mount	P160
	Cabled	P160C
0...400 bar	Direct mount	P400
	Cabled	P400C
0...700 bar	Direct mount	P700
	Cabled	P700C

TEMPERATURE SENSOR OPTIONS

Temp. range	Transmitter type	Order code
-50...+100°C	Direct mount	T510
	Cabled	T510C
-50...+200°C	Direct mount	T520
	Cabled	T520C

FLOW METER OPTIONS

Flow rate	Order code
1...10 l/min	F0010C
7.5...75 l/min	F0075C
15...300 l/min	F0300C
25...600 l/min	F0600C
45...1000 l/min	F1000C

ORDERING EXAMPLES

WLWTK-P160C-P400-T510C

Watchlog wireless test kit with:

- 0...160 bar pressure sensor with 3m cabled transmitter
- 0...400 bar pressure sensor with direct mount transmitter
- -50°...100°C temperature sensor with 3m cabled transmitter

WLWTK-P400-P700C-T520-F1000C

Watchlog wireless test kit with:

- 0...400 bar pressure sensor with direct mounted transmitter
- 0...700 bar pressure sensor with 3m cabled transmitter
- -50°...200°C temperature sensor with 3m cabled transmitter
- 45...1000 l/min flow meter with 4m cabled transmitter



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



Watchlog USB is a new generation of sensors and datalogging solutions from Hydrotechnik UK using our Watchlog USB dual pressure & temperature sensors with transmission rates of up to 1000 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 (800m 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 is a rugged, programmable IoT telemetry device that connects to industrial sensor and systems. Vibration, ambient temperature, angle & GPS integrated as standard. Your data is sent to our dedicated cloud portal or a server of your choice.



Watchlog CSV Visualizer is unique Windows software for visualising .csv files. The software can analyse any .csv performance data, regardless of its source and format and has been tested on .csv files containing over 25 million data points with multiple channels. At the heart of the software is a drag and drop import feature that allows a user to preview data in the file before importing it in the required format for further analysis or for subsequent configurable PDF reporting.



CONTACT

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