



HYDROTECHNIK
UK LIMITED

THE WATCHLOG RANGE

USB, BLUETOOTH, MEDIUM & LONG RANGE WIRELESS
SENSORS & SOFTWARE PACKAGES





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 sensors 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.





WATCHLOG USB

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 500 times per second.

**SIMPLE & ACCURATE
PLUG & PLAY USB
SENSORS FOR
ECONOMIC HIGH
SPEED PRESSURE &
TEMPERATURE
MEASUREMENT ON
WINDOWS TABLETS,
LAPTOPS OR PCs**



Dual pressure and temperature output from each sensor.



View & record up to 500 times per second per sensor.



25 bar, 160 bar, 400 bar & 700 bar sensors available from stock.



Connect, view & record up to 8 sensors at one time using standard USB hubs.



Watchlog USB software automatically detects any connected sensors.



Min / max values and settable alarm limits.



Manual, timed or scheduled recording options.



Graph zooming and annotation even during recording.



PDF and CSV test export options.



SECTORS

Industrial, Food & Beverage, Pulp & paper, Mobile hydraulics, Pump & component testing

INCLUDED WITH EACH SENSOR IS OUR WINDOWS PC / TABLET SOFTWARE FOR SIMPLE, QUICK AND COST-EFFECTIVE PRESSURE & TEMPERATURE MEASUREMENT OF UP TO 8 WATCHLOG USB SENSORS AT THE SAME TIME.

Users can view the measurements in numerical, graph or both simultaneously. Test data can be viewed, zoomed and annotated during or after recording and data can then be exported for easy test file management.

**MANUAL, TIMED
OR TRIGGERED
RECORDING
OPTIONS UP TO
500x PER
SECOND**



**SIMULTANEOUS
PRESSURE AND
TEMPERATURE
READINGS WITH
EDITABLE ALARMS
AND COLOURS**



**WATCHLOG
SOFTWARE
AUTOMATICALLY
DETECTS ANY
CONNECTED
SENSORS.**

**VIEW
MEASUREMENTS
NUMERICALLY,
GRAPHICALLY
OR BOTH
SIMULTANEOUSLY.**

**CONNECT UP
TO 8 SENSORS
AT ONE TIME
USING STANDARD
USB HUBS.**





WATCHLOG BLUETOOTH

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.

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

**BLUETOOTH
PRESSURE
MONITORING AND
LOGGING FOR PCs,
LAPTOPS, TABLETS &
SMARTPHONES**



Free iOS and Android mobile apps for viewing and logging data

Create custom projects/visuals

Free Watchlog measurement and logging Windows PC software

View up to 12 pressures at a time

One sensor to many devices, many to one or many to many

Up to 90 meters data transmission distance

From 100ms to 10s selectable scanning rates

Standard battery powered (2xAAA)

0 - 25 bar,
0 - 160 bar,
0 - 400 bar and
0 - 700 bar stocked
pressure ranges

Password protection

SECTORS

Automotive, Industrial, Food & Beverage, Pulp & paper, Mobile hydraulics, Machine tools, Pump testing

**EACH SENSOR
CAN TRANSMIT
VALUES UP TO
10x PER
SECOND**

**WATCHLOG BLUETOOTH WINDOWS
SOFTWARE AVAILABLE ON REQUEST
FOR MORE ADVANCED MONITORING
AND DATALOGGING FEATURES.**

Up to 12 transmitters at once can be monitored on one device or many devices up to 10 times per second and transmits over distances up to 90 meters, all powered from just 2 standard AA batteries.



**WINDOWS
DISPLAY AND
LOGGING
SOFTWARE
FOR MORE
ADVANCED
DIAGNOSTICS.**



**VIEW UP TO
12 WATCHLOG
BLUETOOTH
PRESSURE
SENSORS AT
A TIME.**



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





WATCHLOG WIRELESS

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.

Sensor data can be viewed with the free Watchlog Wireless Windows tablet/PC software supplied with all sensors and has powerful data visualisation features and datalogging capabilities. Data can be integrated in to multiple data gateways for wider integration possibilities.

SUITABLE FOR TEMPORARY INSTALLATIONS OR WHERE CABLING CAN BE DIFFICULT OR HAZARDOUS.



- Up to 800m standard or 1.6km with a repeater box
- Standard battery power transmitters (2xAA)
- Up to 60 sensors to one simple USB receiver
- Free PC software with customizable visuals, alarms and datalogging
- Cloud option available with text and email alert
- Modbus, switching or analogue output gateway options
- 0...25 bar, 0...160 bar, 0...400 bar and 0...700 bar stocked pressure ranges
- 50...100°C and -50...200°C stocked temperature ranges
- Wide range of turbine and oval gear flow meter options for water and oils
- Monitor fluid levels up to 50 meters
- Wide range of sensor options can be integrated such as oil condition, RPM, force, vibration etc.
- SECTORS**
Agricultural, Construction, Mining, Automotive, Industrial, Food & Beverage, Pulp & paper, Mobile hydraulics, Machine tools

A WEBSERVER FEATURE ENABLES VIEWING OF LIVE DATA ON OTHER MOBILE DEVICES SUCH AS SMART PHONES WHEN ON THE SAME NETWORK OF DEVICE RUNNING WATCHLOG SOFTWARE.

The readings can be transmitted at rates of up to 100ms all the way up to 1 per minute with a potential battery life of up to 5 years using standard AA batteries or optional hardwired versions.

UP TO 60 SENSORS TO ONE SIMPLE USB RECEIVER OR GATEWAY.



WIDE RANGE OF SENSOR OPTIONS CAN BE INTEGRATED.



FREE PC SOFTWARE WITH CUSTOMIZABLE VISUALS, ALARMS AND DATALOGGING.



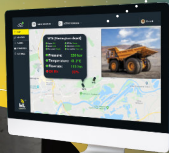
CLOUD OPTION AVAILABLE ON REQUEST WITH TEXT AND EMAIL ALERT.



WATCHLOG PRO

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, temperature, flow, force, CANbus and much more. Battery or external powered transmitters available. Data can be integrated in to multiple signal gateways for wider integration possibilities such as plc's, BMS, Scada and cloud platforms.

TRANSMIT ANY SENSOR OR MACHINE DATA WIRELESSLY UP TO 5KM. MONITOR AND LOG DATA IN TO EXISTING ON-SITE SYSTEMS OR VIA THE CLOUD.



CLOUD ENABLED SYSTEMS ALLOW FOR GRAPHICAL VISUALS WITH DATALOGGING DOWNLOADABLE VIA CSV FILE, CUSTOMISABLE ALARM SETTINGS, TEXT & EMAIL ALERT FEATURE AND MIN/MAX READINGS.

Options are also available on request for single Watchlog pro transmitters to have internal datalogging features and multiple sensor or machine data inputs.



WATCHLOG VISION



VIEW OR DOWNLOAD HISTORICAL DATA AND SET ALARMS WITH TEXT & EMAIL ALERTS.

UP TO 60 SENSORS CAN TRANSMIT TO ONE RECEIVER.

NEW OR EXISTING SENSORS CAN BE INTEGRATED.



Long range wireless transmission up to 5km.



Up to 60 sensors can transmit to one receiver.



Battery powered or locally hard wired.



Modbus gateway signal receiving for flexible integration in to new or existing data acquisition systems.



Cloud integration to view or download historical data, set alarms with text & email alerts.



Pressure, temperature, flow, level, and oil life solutions as standard.



Many types of new or existing sensors can be integrated.



SECTORS
Agricultural, Construction, Mining, Automotive, Industrial, Food & Beverage, Pulp & paper, Mobile hydraulics, Machine tools

OTHER PRODUCTS AND SERVICES AVAILABLE FROM HYDROTECHNIK:



DATALOGGERS

2 to 48 channel handheld or fixed measuring instruments to suit all budgets and technical requirements.



TEST SENSORS

Pressure, temperature, flow, RPM, force, vibration, position & many more test sensors for service, end of line production or R&D testing.



PRESSURE SENSORS

A huge range of pressure sensors for OEM, industrial, automotive, food & beverage applications. Pressures from 10 mbar to 4000 bar to suit most mechanical or electrical connection & signal output requirements.



TEST RIGS

Design & build service for manual or automated component proving test rigs. Mechanical or PLC control options using air, water and oils.



REPAIR & CALIBRATION

In-house calibration service for flow, pressure & temperature sensors to national standards. Competitive pricing and turnaround times.

CONTACT

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and to obtain our other brochures:

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