Sensor

(1 - 100) sensors

800 m

2

Extender Box

800 m

1

Base Station & PC

1

Base Station & PC

800 m

Wireless Monitoring & Data Logging

Sensors wirelessly beam readings, which are received directly by a base station ❶ or through an intermediate wireless range extender ❷ and then to the base station ❶

The base station decodes the transmitted sensor data and displays it on the Watchlog software.

Watchlog software is supplied free of charge with all sensors. Users can view live data, set alarms, alter data logging options, personalise measuring screen visuals and set up remote viewing.

HT WATCHTCHLOG
Wireless Data Acquisition

Contact us for a free demonstration or to discuss your application

HYDROTECHNIK UK
TEST ENGINEERING LTD

hydrotechnik.co.uk

HTUK WATCHLOG FEATURES:

- Two standard base station options (500m or 800m range)
- Sampling time from 5ms up to 4000ms
- Transmission time from 5ms up to 1 minute
- Battery life calculator included
- Sleep and wake sensors as required
- Up to 100 sensors can run simultaneously*
- Set alarms (two latching/one warning)
- View real-time graphical data
- 4 data logging scenario options
- Group key option
- Cloud-based version coming soon
- Zone 1 + 2 option available

*Settings dependent

Agricultural

Construction
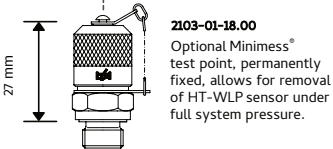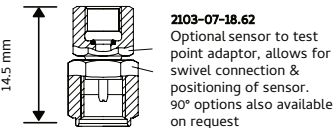
Mining

Automotive Manufacturing
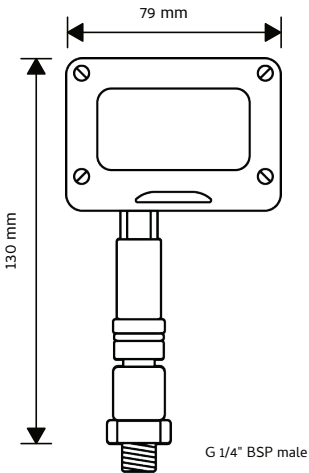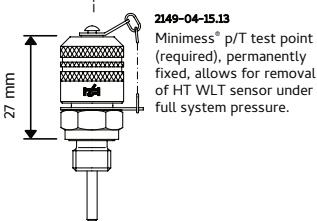
Industrial

Pulp & Paper

Mobile Vehicles

Machine Tools

HYDROTECHNIK UK
TEST ENGINEERING LTD

HT-WLP pressure transmitters

79 mm

130 mm

G 1/4" BSP male

14.5 mm

2103-07-18.62
Optional sensor to test point adaptor, allows for swivel connection & positioning of sensor. 90° options also available on request

27 mm

2103-01-18.00
Optional Minimess® test point, permanently fixed, allows for removal of HT-WLP sensor under full system pressure.

HT-WLT temperature transmitters

79 mm

125 mm

Minimess®
1620 female

27 mm

2149-04-15.13
Minimess® p/T test point (required), permanently fixed, allows for removal of HT WLT sensor under full system pressure.
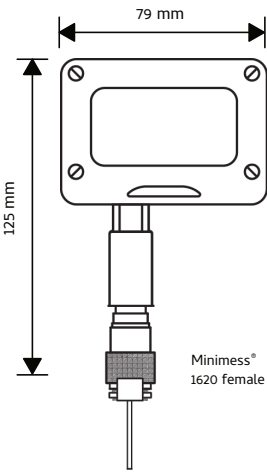
Watchlog Benefits

• Ideal where cabling is difficult or not an option – rotating machines, silos or site restrictions
• Reduced installation costs
• Portable
• Re-usable e.g. temporary installations
• Simple to use
• Wireless transmitter uses 2 standard AA batteries (up to 5 years battery life depending on settings)
• Base station USB powered
• Web server login options

WATCHLOG PRESSURE AND TEMPERATURE WIRELESS SENSOR & ACCESSORIES PART CODES

PART CODE	DESCRIPTION
HT-WLP-0060	0...60 bar wireless pressure sensor. G1/4" BSP male threaded – other ranges and threads available on request
HT-WLP-0250	0...250 bar wireless pressure sensor. G1/4" BSP male threaded – other ranges and threads available on request
HT-WLP-0600	0...600 bar wireless pressure sensor. G1/4" BSP male threaded – other ranges and threads available on request
HT-WLT-0200	–50 °...+200°C wireless temperature sensor. G1/4" BSP male threaded – other ranges and threads available on request
2103-01-18.00	Minimess® 1620 pressure test point. G1/4" BSP male (other threads available on request).
2103-07-18.62	G1/4" BSP female to Minimess® 1620 female test point to pressure sensor adaptor.
2149-04-15.13	Minimess® 1620 p/T pressure & temperature test point. Required for fitting of HT-WLT sensors. G1/4" BSP male.
Ex	Please contact us to discuss our ATEX/IECEx options.

WATCHLOG BOOSTER & USB WIRELESS SIGNAL RECEIVER PART CODES

PART CODE	DESCRIPTION
HT-BSd	Watchlog wireless USB dongle base station (Up to 500m range).
HT-BSi	Watchlog wireless USB base station, powered directly by USB or 9...32Vdc power supply (Up to 800m range and IP67).
HT-AR	Watchlog wireless extender box. Extends range by a further 800m or around obstructions. 2 x "D" cell battery powered or external power supply (mains or solar powered options on request) IP67.
Watchlog	Watchlog Windows PC software for displaying all transmitted sensor values, graphically or numerically with alarm functions and datalogging features.

HT-BSd
58 mm
20.5 mm
46 mm

HT-BSi
164 mm
84 mm

HT-AR
164 mm
84 mm

Optional sensor inputs for flow, level, load cells, inclinometers and humidity.

Strain	Strain (2kHz)	IA Current	VA Voltage	TA Temperature	PA Pulse	RA Potentiometer