

# HPM4000

## Hydraulic data logger

The HPM4000 is the ideal entry level product for hydraulic fault prevention and diagnostics. It enables a service engineer to connect either two or three sensors simultaneously, depending on the version, and display, data log and export results to HPMComm for further analysis. HPMComm is Windows compatible software that is included free-of-charge with all Webtec HPM devices.

The HPM4000 not only allows the user to display actual values, like flow, pressure and temperature but also display peak pressure, and calculate values such as differential pressure and hydraulic power.

The rugged handheld unit combines a 3 1/2" square backlit LCD with powerful data logging functionality, 1GB of memory on a nano-USB stick and full device/host USB compatibility.

You can build up your own service kit with your own choice of Webtec sensors, supplied with or without a flight case, or choose from two standard entry level kits.



Manufacturers of hydraulic components and test equipment  
for mobile, industrial and agricultural machinery



Nuffield Road,  
St. Ives, Cambs.,  
PE27 3LZ, UK

Tel: +44(0)1480 397400

Fax: +44(0)1480 466555

[www.webtec.co.uk](http://www.webtec.co.uk)

E-mail: [sales@webtec.co.uk](mailto:sales@webtec.co.uk)

### Features

- **Complete** range of sensors – pressure, flow, temperature, tachometer
- **Intelligent** digital sensors (CAN protocol) for easier wiring and auto configuration (HPM4030 only)
- **Analogue** SR sensors with sensor recognition (HPM4020 only)
- **Large 3.5"** back-lit display for quick and easy readings
- **IP67** rated for use in extreme conditions (HPM4030)

**BFPA** The British Fluid Power Association



Certificate No.8242

HPM4000-BU-ENG-3003.pdf 01/13  
(Issue 1)

## Specifications

Model number	Inputs (Number and type of sensors)
SR-HPM-4020-05-OC	2 'SR' sensors – up to four channels
SR-HPM-4030-05-OC-CAN	3 Intelligent Digital (CAN) sensors – up to six channels

*Note: Some sensors, such as the PTT pressure transducers that include a temperature sensor built-in, are one sensor that uses two channels.*

### Functional specification

Operating temperature: 0 to 50 °C (32 - 122 °F)  
 Degree of protection: HPM4020 – IP54 (EN60529)  
 HPM4030 – IP67 (EN60529)

### Electrical specification:

Internal battery: Lithium ion pack 3.7 VDC/42250 mAh  
 Battery life with 2 sensors: > 8 hours  
 External power supply: Input -100-240 VAC  
 Connection type: Micro-USB socket, Type B, +5 VDC max 1000mA

### Memory:

Internal memory: 1 measurement – approx.. 15,000 data records  
 USB memory stick: 1GB supplied – supports up to 4GB

### Interfaces:

USB device: Online data transfer between device and PC via HPMcomm software; measured value transfer: ACT/MIN/MAX, min. 5 ms; USB standard: 2.0, full speed; connection assembly: Micro USB socket, protected, type B  
 USB host: Connection of USB memory stick, max. 4 GB; recommended types: Delock USB 2.0 Nano memory stick, Intenso Micro Line; USB standard: 2.0, full speed, max. 100 mA; connection assembly: Micro USB socket, protected, type B

### Display:

Type: FSTN-LCD, graphical, with LED background lighting  
 Visible area, mm (inches): 62 x 62 (2.4 x 2.4)  
 Resolution: 130 x 130 pixels

### Construction material:

Housing material: ABS/PC  
 Housing protective shield: TPU  
 Dimensions, w x h x d, mm (inches): 96 (3.8) x 172 (6.8) x 54 (2)  
 Weight: 540 grams

### Kits contents

SR-HPM-4020-05-KIT

Model number	Description	Qty
SR-HPM-4000-CASE	Case with foam inserts	1
SR-HPM-4020-05-OC	HPM4020 data logger	1
SR-CBL-003-55-MM	Cable 3m	1
SR-PTN-600-05-OC	Pressure transducer 0 to 600 bar	1

SR-HPM-4030-05-CAN-KIT

Model number	Description	Qty
SR-HPM-4000-CASE	Case with foam inserts	1
SR-HPM-4030-05-OC	HPM 4030 data logger	1
SR-CBL-02-MF-CAN	Cable 2m	1
SR-CBL-0.05-Y-CAN	Connector 'Y'	1
SR-CBL-000-R-CAN	Terminating resistor	1
SR-PTN-600-05-OC-CAN	Pressure transducer 0 to 600 bar	1

Custom kits are available please contact sale office for advice.