

HPM4000

Hydraulic data logger - CAN

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 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.

Specifications

Operating Temperature Range:	0 to 50°C, 32 to 122°F
Power Supply:	Input 100 - 240 VAC
Connection Type:	Micro-USB socket, Type B, +5 VDC max 1000mA
Battery:	Lithium Ion pack 3.7 VDC, 4500 mAh
Battery life:	With 2 sensors >8 hours
Degree of Protection:	IP67 (EN60529)
Housing Material:	ABS/PC
Housing Protective Shield:	TPU
Weight:	0.54 kg, 1.19 lb

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Features

- Complete range of sensors – pressure, flow, temperature.
- Intelligent digital sensors (CAN protocol) for easier wiring and auto configuration.
- Large 3.5" back-lit display for quick and easy readings.



Sales Order Code

Please contact our technical sales team to discuss any special order requirements.

MODEL NUMBER	INPUTS (NUMBER AND TYPE OF SENSORS)
SR-HPM-4030-05-0C-CAN	3 Intelligent Digital (CAN) sensors – up to six channels
SR-HPM-4030-05-CAN-KIT	3 Intelligent Digital (CAN) sensors – up to six channels, see Kit Contents below
SR-HPM-4030-05-CAN-KIT-MAX	3 Intelligent Digital (CAN) sensors – up to six channels, see Kit Contents below

Notes

USB Power Supply (5V, 1A) and USB Cable are included in delivery.

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

Memory

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

Interface

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: 62 x 62 mm, 2.4 x 2.4 Inches
 Resolution: 130 x 130 pixels

HPM4000 Dimension

W x H x D: 96 x 172 x 54 mm, 3.8 x 6.8 x 2 Inches

Kits Contents

SR-HPM-4030-05-CAN-KIT

MODEL NUMBER	DESCRIPTION	QTY
SR-HPM-4000-CASE	Case with foam inserts	1
SR-HPM-4030-05-0C-CAN	HPM4030 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-600-05-0C-CAN	Pressure transducer 0 to 600 bar	1



SR-HPM-4030-05-CAN-KIT-MAX

MODEL NUMBER	DESCRIPTION	QTY
SR-HPM-4000-CASE	Case with foam inserts	1
SR-HPM-4030-05-0C-CAN	HPM4030 data logger	1
SR-CBL-02-MF-CAN	Cable 2m	1
SR-CBL-05-MF-CAN	Cable 5m	2
SR-CBL-0.05-Y-CAN	Connector 'Y'	2
SR-CBL-000-R-CAN	Terminating resistor	1
SR-PTN-060-05-0C-CAN	Pressure transducer 0 to 60 bar	1
SR-PTN-600-05-0C-CAN	Pressure transducer 0 to 600 bar	2



Webtec reserve the right to make improvements and changes to the specification without notice