

HPM540

Hydraulic data logger

The HPM540 is ideal for use as a portable hydraulic display and data logger as well as for permanent installation on small hydraulic test benches.

Powered by a rechargeable NiMH battery, this easy-to-use diagnostic test system is a invaluable tool for comparative testing as well as preventive maintenance, verifying component settings, pinpointing poor system performance, measuring differential pressure and capturing harmful pressure spikes. Accessories include a wide range of pressure transducers and flow meters as well as temperature and speed sensors. In addition many custom sensors can be connected through the external signal module.



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



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hidra[matic]

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Features

- Measure and record flow, pressure, temperature, speed plus peak and differential pressure
- Option to connect in other sensors and DC Amp or Volt signals
- Four multi-purpose inputs (8 channels if you measure temperature using PTT pressure transducer)
- Automatic set-up with any Sensor Recognition (SR) sensor
- Data log continuously, auto-trigger or log by point
- Connect to a PC quickly and easily via USB
- Via PC HPMcomm software define 'projects' to simplify repeat tests
- Directly control continuous logging from your PC and graph data in real time
- Analyse data quickly and easily using free Windows® compatible HPMcomm software
- Easy operation with menu driven functions
- Store up to 1 million values
- Rugged ergonomic design
- Sample Rate 0.25 ms (Input 1) 1 ms (Inputs 2-4)

BFPA The British Fluid Power Association



Certificate No.8242

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(Issue 1)

Specifications

Model Number	Inputs (number and type of sensors)
SR-HPM-540-05-OC	4 'SR' sensors - up to eight 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: IP54 (EN60529)

Electrical specification

Internal battery: nickel–metal hydride battery
Charging time 180 minutes

Battery life with 2 sensors: > 8 hours

External power supply: Input -110/240 VAC

Memory

Measured value memory: 1 000 000 points

Curve memory: 250 000 points

Interfaces

USB: USB 2.0 online speed

Display

Type: LCD 128 x 64 pixels

Visible area: 72 mm x 40 mm

Resolution: 128 x 64 pixels

Height of characters: 6mm

Construction

Material: Polyamide

Size: 235 x 106 x 53 mm

Weight: 530 g

Custom kits are available please contact sale office for advice.