

# 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 an 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.



Hydraulic measurement and control



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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)



Certificate No.8242

## 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.