

Hydraulic Test Equipment Product Overview



Hydraulic measurement and control

Testing hydraulic systems

For anyone who has experienced a hydraulic component failure when they could least afford it, the Webtec range of test equipment holds the answer.

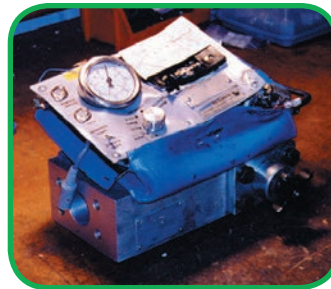
If your system is down and oil is collecting around your feet, the downtime is costing you £K's a day. You need to quickly identify which component has failed, fix it, test the system and get back to work.

A Webtec portable tester will allow you, even if you are working alone, to easily and safely simulate operating conditions using the built-in load valve to help pinpoint the fault. The illustration below demonstrates a DHCR tester being used with two flow meters and a phototach to measure flow, pressure, temperature and speed.

For safety, Webtec testers include the unique INTERPASS^(R) protection system. In the event of over-pressurisation, burst discs built-in to the load valve will safely bypass oil internally through the valve and back to tank. NOT externally into the environment or onto you.

Webtec has a policy of innovation and continuous improvement that has led to the range you see here with unique features such as the bi-directional pressure balanced load valve, internal burst discs and simplified controls.

Webtec Service Centre



Service required?

We specialise in re-calibration of all hydraulic test equipment, whether from the Webtec range or another manufacturer's. Our centre is equipped for electronic and mechanical repair work with flow, pressure and temperature calibration facilities.

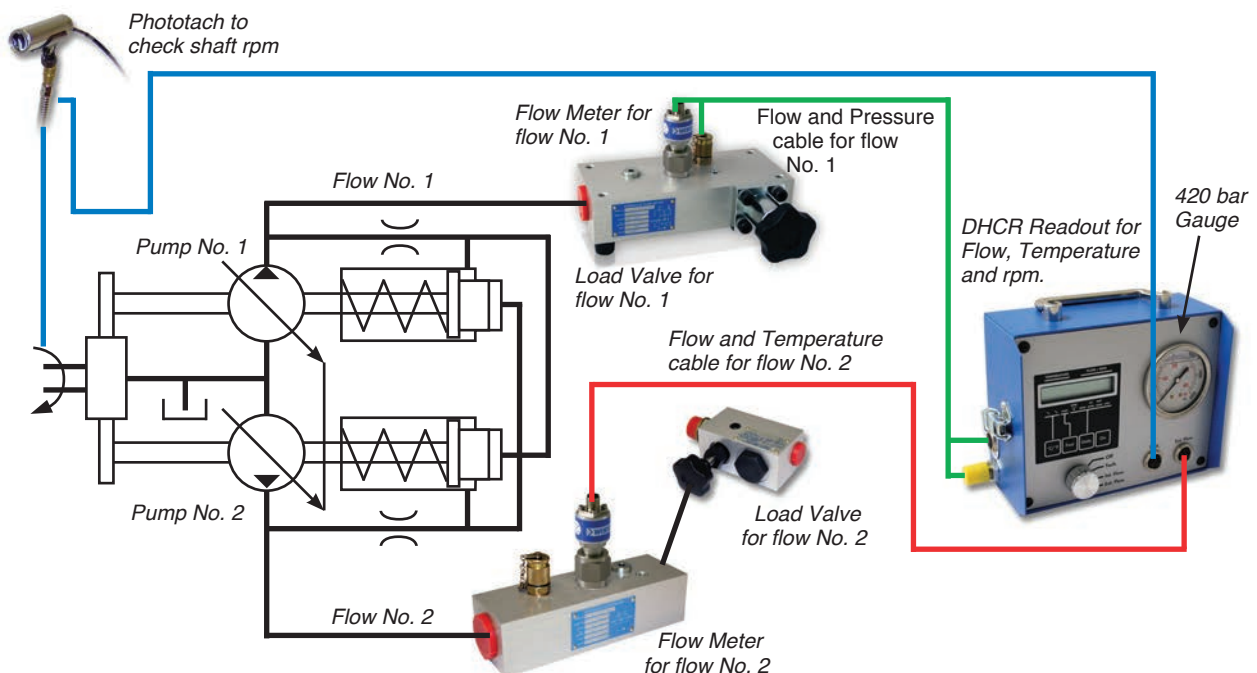
Quality

We operate in accordance with ISO 9001 and all of our test references are traceable to national & international standards.

As a manufacturing company Webtec Products Ltd is ideally suited to servicing and repairing both hydraulic components and test equipment.

Further information

Please see contact details on back page.



Flow Condition Monitoring

Analogue and digital flow indicators

3

Accuracy: See below
Pressure: Up to 420 bar
Ports: BSP / NPT
Applications:
 Hydraulic condition monitoring and test stands

Flow: Up to 550 lpm
Type: Unidirectional/
 Reversible

Accuracy: 4% FSD
Pressure: Up to 420 bar
Ports: BSP / SAE
Applications:
 Hydraulic condition monitoring and test stands

Flow: Up to 400 lpm
Type: See below

Low pressure flow indicators



WPC Series

- Ideal for tank line monitoring
- From 0.2 up to 110 lpm at 70 bar
- Available in aluminium for oil
- Low cost, accuracy $\pm 5\%$ FS

High pressure flow indicators



FI 750 Series

- Unidirectional, up to 180 lpm and 420 bar
- Optional relay switch
- Optional thermometer
- Available in aluminium for oil, or brass for water

Medium pressure flow indicators



WPB Series

- Economical solution, accuracy 4% FS
- From 0.5 up to 550 lpm at 240 bar
- Switches and analogue output available
- Suitable for oil, water-glycol & phosphate ester



FI 1500 Series

- Unidirectional, up to 400 lpm and 350 bar
- Optional relay switch
- Optional thermometer
- Available in aluminium for oil, or brass for water

FlowHUB digital monitoring solution



FlowHUB Series

- Flow and temperature monitoring - Measure, display, switch, transmit
- Low cost of ownership, accuracy 3% FS
- 5 flow sizes cover range 1 - 360 lpm, option of 210 / 420 bar
- Optional switches and analogue output (mA, V)



RFI 1000 Series

- Reversible, up to 200 lpm and 420 bar
- Built-in thermometer
- Available in aluminium for oil

Diagnostic Test Equipment

Portable hydraulic testers

Accuracy: 4% FSD
Pressure: Up to 420 bar
Ports: BSP / SAE
Applications:
 Agricultural, small-medium mobile machinery

Flow: Up to 200 lpm
Use: See below

Accuracy: See below
Pressure: Up to 480 bar
Ports: BSP / SAE
Applications:
 Mobile machinery and large fixed installations

Flow: Up to 800 lpm
Use: Bidirectional

Pressure test kits



PT100 Series

- Complete kits for pressure testing
- Assembled to customer specification
- Fit test points wherever required in the circuit
- Kit includes gauges, hoses and test points

Simplified digital testers



DHT '1' Series

- Measure flow (1% FS), pressure and temperature
- Simple 'On / Off' control
- Simulate machine performance using loading valve
- INTERPASS^(R) protected

Mechanical testers



RFIK Series

- Improved design, low pressure drop
- Measure flow (reversible), pressure and temperature
- Built-in loading valve, INTERPASS^(R) protected
- No batteries required

Digital hydraulic multimeter



DHM '4' Series

- Measure flow (1% IR), pressure, peak, power and temperature
- Log results and email a test certificate instantly via QuickCert^(TM) App for iPhone^(R) and Android^(TM)
- Easy to use, four standard screens
- Measure hydraulic pump efficiency with P-Q test
- Simulate machine performance using loading valve
- INTERPASS^(R) protected

Separate loading valve



HV Series

- Simulate machine performance (Bidirectional)
- Five models: up to 1500 lpm
- Safe and clean to use, INTERPASS^(R) protected
- Use separately or with LT / CT flow meters



P-Q Test
Volumetric Efficiency

Diagnostic Test Equipment

Portable hydraulic testers

5

Accuracy: 1% IR
Pressure: Up to 480 bar
Ports: BSP / SAE
Applications:
 Mobile machinery and large fixed installations

Flow: Up to 1500 lpm
Use: Bidirectional

Accuracy: 1% FS
Pressure: Up to 480 bar
Ports: BSP / SAE
Applications:
 Mobile machinery and large fixed installations

Flow: Up to 800 lpm
Use: Bidirectional

Digital testers with remote inputs



DHT '2' Series

- Measure flow, pressure and temperature
- Secondary flow and speed inputs
- Simulate machine performance using loading valve
- INTERPASS^(R) protected

Analogue testers with remote input



HT '2' Series

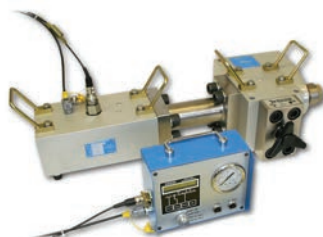
- Measure flow, pressure and temperature
- External speed input
- Simulate machine performance using loading valve
- INTERPASS^(R) protected

OEM test kits



- Custom test kits built to your specification
- Ideal tool kits for service engineers
- OEM branding and marketing solutions available
- Used by major mobile machinery OEMs worldwide

Digital test kit (up to 1500 lpm)



DHCR1500R Kit

- Measure flow, pressure, temperature and optional speed
- Kit designed for hydraulic testing of very large mobile machinery
- Optional load valve rated to 1500 lpm and 420 bar to simulate machine load



OEMs worldwide

Diagnostic Test Equipment

Hand held hydraulic data loggers and readouts

Sensor Recognition (SR):

Sensors can be plugged into any input of an HPM readout, automatic recognition of the type, range and calibration of the sensor. No user input.

Application: Mobile hydraulic system testing

Intelligent Digital (ID):

Digital sensors (CAN protocol) with automatic sensor recognition, connect in-line with one another using shorter cables. Uniquely identified by the datalogger.

Application: In-depth hydraulic system fault-finding

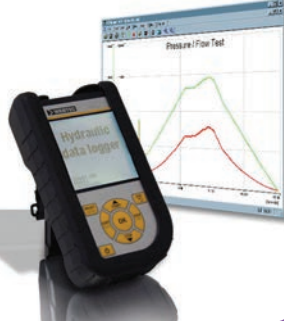
Digital pressure gauge



HPM110 Series

- Digital pressure gauge with peak capture
- Two pressure ranges available 100 / 600 bar
- Backlit display
- Change engineering units

Hydraulic data loggers (SR & ID)



HPM4000 Series

- Two models - choose between SR and ID
- Choose between 2 or 3 input version
- USB connectivity, Nano-USB up to 4GB
- Supplied with HPMComm software

Flow meters (SR & ID)



CT/CTR Series

- Precision turbine flow meters (1% IR)
- 12 models cover range 0.1 - 750 lpm, up to 480 bar
- Additional top ports
- With or without built-in loading valve

Hydraulic data loggers (SR)



HPM540

- 4 input data loggers with multi-line display
- High speed data capture and storage
- USB connectivity
- Supplied with HPMComm software

Sensors (SR & ID)



Pressure / temperature sensors

- Pressure transducers rated up to 1000 bar
- Temperature sensor
- Speed sensor
- Current & voltage input converters for custom sensors

Hydraulic data loggers (SR & ID)



HPM6000 Series

- 3 models, offering between 16 & 26 inputs
- Connect Intelligent Digital (ID) and Sensor Recognition (SR) sensors
- Full colour 5.7" display, USB, Ethernet
- Supplied with HPMComm software

Test Stand Instrumentation

Flow, pressure, temperature speed sensors

7

4 - 20 mA sensors:

On-board electronics to optimise accuracy. Industry standard 4 - 20 mA output. Fast and simple to install. Other analogue outputs available.

Applications:

Condition monitoring, hydraulic test stands, control systems, remote monitoring

CT flow meters



CT-mA Series

- Precision turbine flow meters (1% IR)
- 8 models cover range 1 - 1500 lpm, up to 480 bar
- Additional top ports for pressure and temperature
- Other outputs available (mA, V, pulse)

C2000 hydraulic data-acquisition system



C2000 Series

- Complete hydraulic test stand solution
- Includes sensors, hardware, software and training (optional)
- Up to 64 inputs. Choice of mA and frequency
- Display, datalog and produce test certificates

Pressure transducers



MPT Series

- Models cover pressure range 1 - 1000 bar
- Accurate to 0.25% full scale
- Fast response time
- Other outputs available (mA, V)

Speed sensors



SP-TTL Series

- Speed sensor with TTL output
- 0 - 2 kHz magnetic pickup
- Ideal for measuring pump/motor speed
- Connects directly into C2000

Temperature sensors



TP Series

- Scaled up to 150°C
- Rated to 480 bar
- Fast response time
- Other outputs available (mA, V)

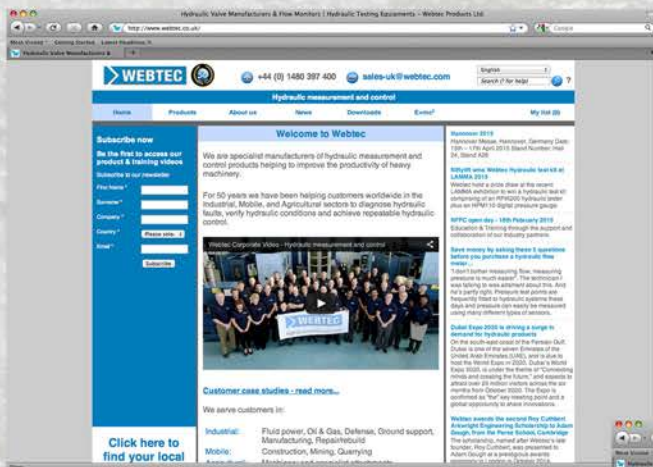
Flow meters - special applications



GF Series

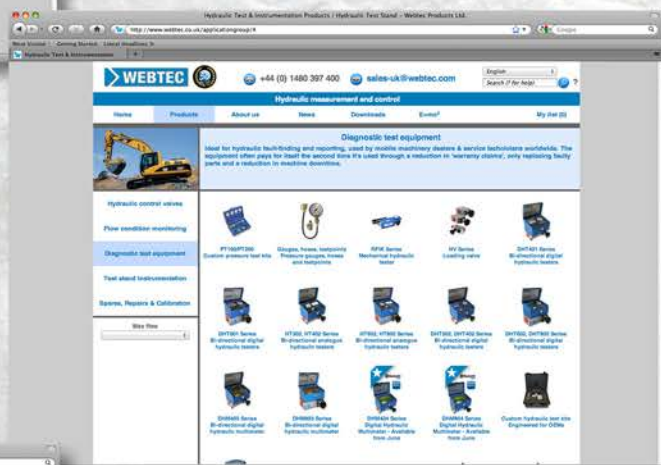
- Precision gear type flow meters (0.5% IR)
- 3 models cover flow range 0.1 - 150 lpm up to 210 bar
- Bidirectional
- 4-20 mA as standard

Want to know more about our product range? Then try our **new** fully searchable multi-language website



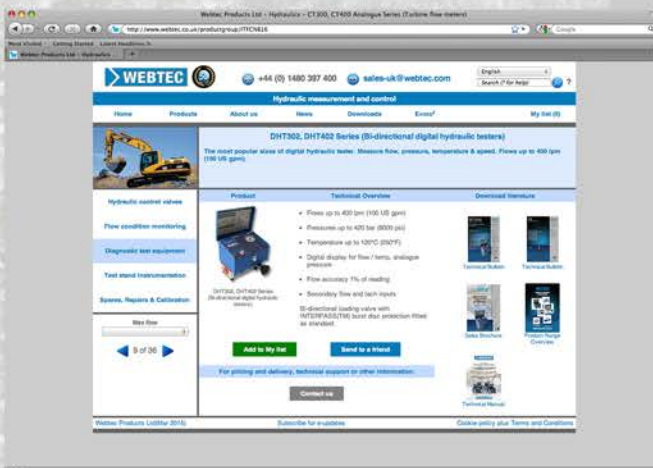
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Why not visit us at www.webtec.com and see for yourself



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