

Want to know more about the Webster range?
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Home page

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- Feature product panel
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Product Overviews
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Technical bulletins
User manuals



Product information

- Simple to use, search using pull-down boxes
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- Links to available literature



Multi-language literature

- Access via dedicated "search for literature page" or via 'product search'
- Download literature in Adobe pdf format
- Choice of languages

Why not visit us at <http://www.webtec.co.uk> and see for yourself

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



WEBTEC PRODUCTS LIMITED



**The Webster Range of Hydraulic
Test Equipment**

Product Overview

Designed and produced by the Marketing Dept. Webtec Products Ltd. INST-OV-ENG-1456.pdf (03-05)

Testing hydraulic systems

For anyone who has experienced a hydraulic component failure when they could least afford it, the Webster 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 Webster 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, Webster testers include the unique INTERPASS 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?

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.

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



4 - 20 mA sensors:

On-board electronics to optimise accuracy. Industry standard 2 wire 4 - 20 mA output. Fast and simple to install. Other analogue outputs available.

CT flow meters (4 - 20mA)



CT - mA Series

- Precision turbine flow meters (1% IR)
- 7 models cover range 1 - 800 lpm, up to 480 bar
- Additional top ports for pressure and temperature
- Other outputs available (mA, V, pulse)

Pressure transducers (4 - 20mA)



WPT & MPT Series

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

Temperature sensors (4 - 20 mA)



TP Series

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

Applications:

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

Panel readouts (4 - 20 mA)



DP Series

- Standard panel cut-out size
- Compatible with all 4 - 20 mA sensors
- AC and DC versions
- Optional relay switches with analogue output available

Flow meters - special applications



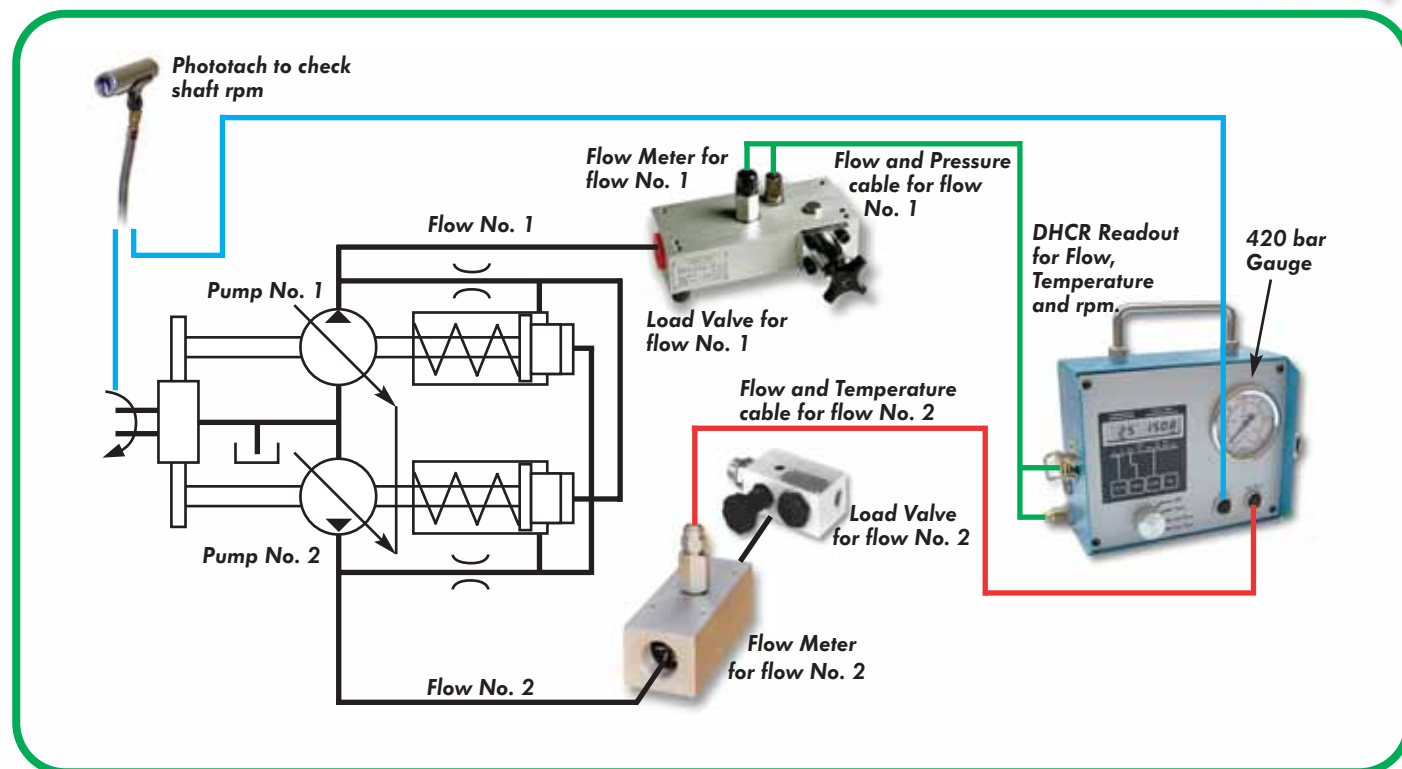
LG Series

- Precision gear type flow meters (1% IR)
- Flow range 0.1 - 16 lpm, up to 200 bar
- Unidirectional



LTE Series

- Turbine flow meters with anti-swirl discs (1% IR)
- 4 models cover range 3 - 400 lpm, up to 420 bar
- Designed for installation close to a sharp bend in a pipe
- Bidirectional



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.

Applications:

Hydraulic system maintenance and in-depth faultfinding. All hydraulic machinery, both mobile and fixed installations.

Hand held readouts



HPM 425

- 2 input readout with 2 line display
- Peak capture and dP calculation
- Rechargeable battery

Hand held dataloggers



HPM 440/460

- 4 and 6 input data loggers with multi-line display
- High speed data capture and storage
- Rechargeable battery

Flow meters (CT-SR)



CT-SR Series

- Precision turbine flow meters (1% IR)
- 6 models cover range 1 - 750 lpm, up to 480 bar
- Additional top ports

Sensors (SR)



TP400 & PT630

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

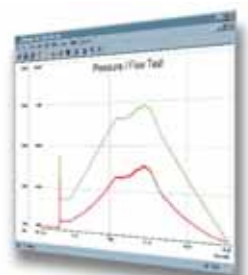
Flow meters (CTR-SR)



CTR-SR Series

- Precision turbine flow meters with built-in loading valve (1% IR)
- 3 models cover range 10 - 750 lpm, up to 480 bar
- INTERPASS protected
- Additional top ports

PC software



HPMcomm software

- PC compatible analysis software for HPM440/460
- Analyse data fast and accurately
- Produce reports and graphs
- Display with multiple Y-axes

Accuracy: See below
Pressure: Up to 240 bar
Ports: BSP / NPT
Applications:
 Hydraulic condition monitoring and test stands

Flow: Up to 550 lpm
Type: Unidirectional

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 5% FS

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

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

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



RFI 1000 Series

- Reversible, up to 180 lpm and 420 bar
- Built-in thermometer
- Available in aluminium for oil

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

Mechanical testers



FIK Series

- Low cost hydraulic tester
- Measure flow (unidirectional), pressure and temperature
- Built-in loading valve, INTERPASS protected
- No batteries required



RFIK Series

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

Separate loading valve



HV100

- Simulate machine performance (Bidirectional)
- Four models: 150, 200, 400, 800 lpm
- Safe and clean to use, INTERPASS protected
- Use separately or with LT / CT flow meters

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

Simplified digital testers



DHT '1' Series

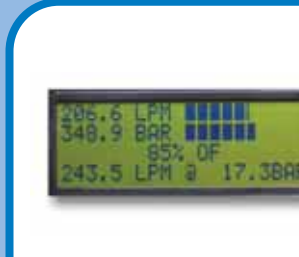
- Measure flow (1% FS), pressure and temperature
- Simple 'On / Off' control
- Simulate machine performance using loading valve
- INTERPASS protected

Digital Hydraulic Multimeter



DHM '3' Series

- All digital display
- Measure flow (1% IR), pressure, peak and temperature
- Calculate power and volumetric efficiency
- Easy to use, three standard screens
- Measure hydraulic pump efficiency with P-Q test
- Simulate machine performance using loading valve
- INTERPASS protected



**P-Q Test
 Volumetric Efficiency**

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

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 protected



DHCR Series

- Remote readout for use with LT / LTR Series
- Measure flow, pressure and temperature
- Secondary flow and speed inputs

Accessories

Phototachometer



TH3 IR Tach

- Infra-red tachometer
- Unaffected by bright sunlight
- Optional mounting arm and magnetic base
- Ideal for mobile machinery

Accuracy: 2% FS
Pressure: Up to 480 bar
Ports: BSP / SAE
Applications:
 Mobile machinery and large fixed installations

Analogue testers with remote input



HT '2' Series

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



HCR Series

- Remote readout for use with LT / LTR Series
- Measure flow, pressure and temperature
- External speed input

OEM Test kits



OEMs worldwide

- 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

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