



**WEBSTER INSTRUMENTS**  
(A DIVISION OF WEBTEC PRODUCTS)

## Product Update Summer 2006

### Welcome to the Summer 2006 update.

Webtec's recent new product releases are proving popular with our customers as they provide practical and efficient solutions for all hydraulic testing applications. The new Webster Instruments DHM Series Digital Hydraulic Multimeter is now fully in production and with the ability to measure six key parameters simultaneously; it is an invaluable tool for the hydraulic service engineer. At recent exhibitions the DHM attracted a great deal of interest. With the latest model of the HPM hand-held datalogger system also about to be launched (see page 4), Webtec continues to provide the latest innovative solutions in hydraulic system maintenance.

Does your application require measurement of low flow ranges? The Webster CT15mA turbine flowmeter and DP130 digital readout are designed to maintain accuracy even with lower flow rates. They provide an accurate and convenient solution for test stand applications - see inside for further details.

Finally, don't forget that Webtec Products can also provide solid solutions to your hydraulic component needs. Among our range of standard, specialist and customized hydraulic flow control valves is sure to be a solution to fit your requirement at a very competitive price.

### New "E-Ref Search" Facility

To help our customers access technical detail and product literature on our website quickly and easily we have introduced a new **e-ref** search facility.



Each product and piece of literature now has its own specific code number. Simply enter this product number in the e-ref search box on the home page of the Webtec website to access the 'search results' page where you can view the product and also download associated literature and technical information.

E-refs can be found on our quotations and they will also be quoted in future literature and product updates to help make searching our website even easier.

**www.webster-inst.com**

**Manufacturers of hydraulic components  
and test equipment for the mobile, industrial  
and agricultural industries**



**Pumps & Motors  
available again**



**Low flow  
hydraulic testing**



**New HPM420 with  
2 line display**



**Flow control  
valves**

# Webster gear pumps and motors available again



## B Series

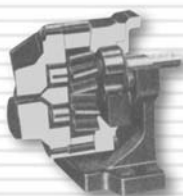
A range of cast-iron compact gear pumps & motors available in 9 sizes from 0.11 - 0.74 cid. Suitable for mobile equipment, mining and underground use.

**e-ref** B series pump: 8058, MB series pump: 8074

## YB Series

A range of compact, lightweight aluminium gear pumps and motors available in 6 sizes from 0.15 - 0.73 cid. Suitable for mobile equipment, lawn and turf machinery and fan drive systems.

**e-ref** YB series pump: 8100, MYB series motor: 8076



## HCS Series

A range of rugged cast iron gear pumps and motors available in 4 sizes from 0.77 - 1.91 cid. Fitted with helical gears for quiet operation. Suitable for mining and underground use.

*Please call sales office for more information*

## YC Series

A range of versatile, powerful aluminium gear pumps and motors available in 6 sizes from 0.58 - 1.94 cid. Suitable for mobile equipment. Can be fitted with flow divider end cover.

**e-ref** YC series pump: 8101, MYC series motor: 8077



## YDA Series

A range of gear pumps and motors of aluminium and cast iron construction. Available in 5 sizes from 0.64 - 2.37 cid. Available with flow divider. Suitable for a wide range of applications.

*Please call sales office for more information*

## KB Series

A range of very flexible and rugged gear pumps and motors with a three piece aluminium & cast iron construction. Available in 9 sizes from 0.86 - 3.88 cid. Suitable for mobile equipment.

**e-ref** K series pump: 8072, MK series motor: 8075



*In addition, we are also able to supply many replacement special type pumps and motors which are fitted to major OEM's mobile machines, including the 237 YDA special Matbro Pump (P19196)*

# Low flow hydraulic testing

**Do you need to measure small hydraulic pump flows accurately? Do you need an easy-to-install, compact solution?**

The CT15-mA is a bi-directional turbine flow meter that measures flows accurately between 0.25 and 4 gpm. The flow meter is rated to 6000 psi but has a pressure drop of just 10 psi (0.7 bar) at 2.5 gpm. This makes it equally at home in the high-pressure line of a small 0.3 cid pump as in the drain line of a 3 cid pump. Accuracy is better than 1% of full scale, which is better than  $\pm 0.04$  gpm, and the flow meter has a built-in micro-processor that gives two wire 4 - 20 mA output. The flow meter can be connected straight into a digital display, such as the DP130 shown, which can also trigger an alarm to signal a low or high flow or retransmit an analog signal to a remote readout, PLC or data acquisition system.

The flow meter measures 136mm long x 37mm wide x 117 mm high and has # 8 SAE inlet and outlet ports as well as a #4 SAE and M10 top ports for connecting additional temperature and pressure sensors.



**e-ref DP130: 8012**

**e-ref CT15: 8119**

For further details visit [www.webster-inst.com](http://www.webster-inst.com) and enter the relevant e-ref, or fill in the fax back overleaf.

## The new Webster DHM Digital Hydraulic Multi-meter



**The DHM Digital Hydraulic Multimeter was exhibited at Hillhead 2005, the world's largest working quarry show.**

The DHM403 is particularly suited for use on such heavy mobile equipment due to its compact and robust design which makes it ideal for working in the field. The DHM's unique design also allows six key parameters to be effortlessly measured and displayed digitally on one screen.

### Key technical parameters at a glance:

- Flow range: model DHM403 2.6 - 100 gpm, NEW model DHM803 7 - 200 gpm
- Flow accuracy:  $\pm 1\%$  of the indicated flow reading
- Operating pressure range: 0 - 6000 psi , Peak Pressure 8700 psi
- Temperature range: 32 - 250°F
- Inlet/outlet connection: DHM403: 1-5/16" - 12UN # 16 O-ring  
DHM803: 1-7/8" - 24UN #24 O-ring

The DHM series is now in full production following its successful launch. Further technical detail can be downloaded from our website - [www.webster-inst.com](http://www.webster-inst.com) - or alternatively please contact us to discuss your application with one of our engineers.

For further details visit [www.webster-inst.com](http://www.webster-inst.com) and enter the relevant e ref, or fill in the fax back overleaf

**e-ref DHM: 8125**

# 2x the view with the new HPM420 handheld hydraulic readout

Many will already be familiar with the sensor recognition family of readouts and sensors as they offer fast set up (no awkward calibration data to enter) with excellent flexibility. The sensor recognition family includes pressure, temperature and speed sensors as well as turbine flow meters with and without built-in loading valve.

The new HPM420 handheld readout is the ideal 2 input hydraulic test tool for industrial and mobile machinery. The upgraded display now features simultaneous display of both inputs. When used with two pressure transducers of the same range it is as simple to use as a pressure gauge, showing pressure 1 and pressure 2 as well as differential and peak pressure at the touch of a button.



**e-ref** HPM: 8026



**PTT Series Pressure Transducers**  
Ranges available from 200 to 14500 psi



**Pressure 1**  
**Pressure 2**



**Pressure 1**  
**Differential pressure**



**Peak pressure 1**  
**Peak pressure 2**

If at a later date you want to add a flow meter you can simply plug it in and the readout will auto-sense the type, range and calibration of the sensor and set the engineering units for you. Kits can be made up to your specification at no extra charge, and supplied in a rugged carry case.

Other 2 input models are available with online logging built-in as well as more sophisticated 4 and 6 input portable data loggers for in-depth fault finding and preventative maintenance. To ensure future compatibility all new sensors are compatible with 2, 4 and 6 input models.

For further details visit [www.webster-inst.com](http://www.webster-inst.com) and enter the relevant e-ref, or fill in the fax back overleaf.



**CTR-SR Series Flow meter with built in loading valve**  
Ranges up to 200 gpm, 7000 psi.

**e-ref** 8120



## Fax Back

If you would like to know more about any of our featured products, please fax this form back to us **Toll Free Fax: 866-356-9637 or 414-769-6591**

**DHM Series Digital Hydraulic Multimeter**

**Gear Pumps and Motors**  
 Particular model (Please Circle)

B - YB - HCS - YC - YDA - KB

**HPM420 Handheld hydraulic readouts and dataloggers**

**Hydraulic flow control valves**  
 Particular model (Please Circle)

**Low flow hydraulic testing**

180 - VFC55 - VFD50 - 2FV - FDC

**Please complete your contact details below to ensure prompt delivery of the requested information.**

**Do we have the correct details? Please use the spaces below to tell us if we need to amend our records.**

Fax back this form to **Toll Free Fax: 866-356-9637 or 414-769-6591**

Name: \_\_\_\_\_

Company: \_\_\_\_\_

Title: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Telephone: \_\_\_\_\_

Fax: \_\_\_\_\_

email: \_\_\_\_\_

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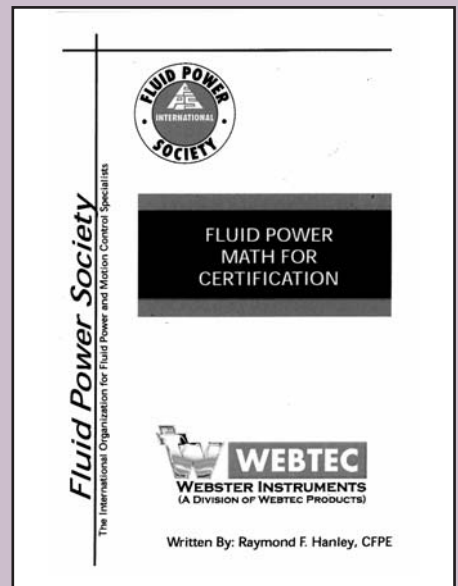
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of any future special offers please check this box

and complete your details before faxing back to us.

**Complete this fax back and we will send you a **FREE** FPS: Fluid Power Math For Certification Booklet**





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**MILWAUKEE, WI 53235**

PRSRT STD  
 US POSTAGE  
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# Hydraulic flow control valves

**Do you need a 2, 3 or 4 port flow control valve?  
 Do you need a custom version or a replacement for an old model?**

**Look no further as Webtec manufactures a wide range of specialist and customised valves**



**180 Series Zero Leak Directional Valve**

**e-ref 180: 8053**



**VFC Series In-Line Variable Flow Control**

**e-ref VFC: 8094**



**VFD Series Variable Priority Flow Control**

**e-ref VFD: 8095**



**2FV2V Series Variable Priority Flow Control**

**e-ref 2FV: 8055**



**FDC Series Flow Divider/Combiner**

**e-ref FDC: 8064**

Suitable for applications ranging from controlling motor or cylinder direction or speed, splitting a flow to connect an auxiliary function or providing a fixed flow to a circuit. Please contact us to discuss your application.

**For further details visit [www.webster-inst.com](http://www.webster-inst.com) and go to 'flow control valves' or fill in the fax back overleaf.**



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