

# Analogue Hydraulic Testers to suit all applications

**Measures Flow, Pressure,  
Temperature and Speed**

**HT 2 Series**

## PRODUCT SELECTOR

PORTABLE HYDRAULIC TESTERS

BI-DIRECTIONAL,  
MODELS UP TO 800 lpm.  
MEASURES FLOW, PRESSURE  
AND TEMPERATURE

TAKE ADDITIONAL  
MEASUREMENTS

YES

MEASURE SHAFT SPEED

YES

ANALOGUE DISPLAY OR  
DIGITAL DISPLAY

ANALOGUE

HT  
'2' SERIES

DIGITAL

ANALOGUE PRESSURE  
2nd FLOW AND  
TEMPERATURE

DIGITAL FLOW/TEMP & PRESS.

DHT  
'2' SERIES

NO

MEASURE PEAK PRESSURE,  
POWER AND VOLUMETRIC  
EFFICIENCY

ALL DIGITAL DISPLAY

DHM  
'3' SERIES

NO  
SIMPLIFIED CONTROLS  
DIGITAL FLOW/TEMP & PRESS.



## HT 2 Series



See our technical  
bulletin for full  
specifications

## Flow and Pressure Ranges

| Model Number | Flow Range (lpm) | Pressure (bar) |
|--------------|------------------|----------------|
| HT302-B-6    | 12.5 - 300       | 420            |
| HT402-B-6    | 12.5 - 400       | 420            |
| HT602-S-7    | 25 - 600         | 480            |
| HT802-S-7    | 25 - 800         | 480            |

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

**BFPA**  
The British  
Fluid Power  
Association

**ISO 9001**  
Registered  
Certificate No. 8242

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Designed and produced by Webtec Graphics

**Another quality product from  
the Webster range**





# Rugged and versatile analogue testers. . .

An easy to use range of portable testers for field and workshop testing of hydraulic systems.

The Webster range of testers have been designed to meet the needs of engineers in the diagnostic testing of hydraulic systems; they are the result of over 35 years experience in the fluid power industry.

Webster testers can simultaneously read flow, pressure, temperature and are also capable of reading drive shaft speed.

## Unique benefits include:

- Bi-Directional loading valve for quick simulation of machine operating loads
- Built-in "INTERPASS" protection against pressure overload

All Webster testers are individually calibrated on test stands and all calibrations are traceable to National Standards.

Different models are available to meet individual testing requirements. Innovative design and attention to detail ensures a technically advanced and high quality product.

## Benefits of Testing

The Webster hydraulic tester enables you to quickly pinpoint which component is malfunctioning and causing poor system performance. The problem could be internal leakage in the pump, motor or valve.

Measuring only the pressure means you can correctly set each valve and ensure that the machine is not being over-loaded. However you will need a flow meter to identify the suspect components.

Using a Webster tester you can quickly test a machine to identify a problem, thus eliminating guesswork. After completion of the repair you can easily re-test the machine.

The loading valve allows you to simulate the working conditions while in the workshop, making it far easier to run a test as you don't need to operate all the machine's functions.

**Webster testers reduce down-time and save on labour. . .**

**. . .engineered to make testing of hydraulic machinery fast and convenient.**



## Analogue Pressure Gauge

Our pressure gauges are Glycerine filled for fast reliable readings on fluctuating pressures. When simulating machine loading, you see not only the pressure but **how** the pressure is changing.

When setting a relief valve, you can easily see the cracking pressure by watching for the sudden reduction in flow.

## Infra-red Tachometer

An external photo-tachometer can be connected to all analogue testers. This allows the user to accurately measure and display shaft speed.



## Safety disc storage

There is an integral storage compartment for spare safety discs at the back of the tester, to ensure they are always available should you ever need them.



## Analogue Flow Readout

The HT analogue series testers have a dual scale (low & high flow) analogue readout for applications where you need to know quickly whether flow is increasing or decreasing. Flow accuracy is 1% of the full scale reading. Digital series testers are available where higher accuracy is required, please see product selector on back page.

## Battery Powered

All Analogue series testers are powered by a standard 9 Volt battery. An **AUTO-OFF** feature turns the tester off when not in use, saving battery life.

## Bi-Directional Load Valve

A load valve allows you to simulate pressure on the hydraulic system without the need to operate all the machine functions in the workshop.

The pressure balanced design assures low handle effort and smooth operation over the entire flow and pressure range in either flow direction.

## Unique "INTERPASS" Protection

### Complete safety

Bi-Directional safety discs are built into the load valve. In the event of excess pressure in the hydraulic circuit, the discs rupture and oil is internally bypassed back to the tank, a feature unique to Webster testers. "INTERPASS" protects the tester from over-pressurisation and the environment from external oil leaks.



**. . .for mobile and industrial applications**