



WEBTEC

WEBSTER INSTRUMENTS
(A DIVISION OF WEBTEC PRODUCTS)

Analog Hydraulic Testers to suit all applications

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



HT 2 SERIES

Manufacturers of hydraulic components and test equipment
for the Mobile, Industrial and Agricultural industries



Certificate No.8242

Rugged and versatile analog hydraulic testers...

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

The HT Series of hydraulic 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.

Hydraulic 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 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

Hydraulic testers 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.

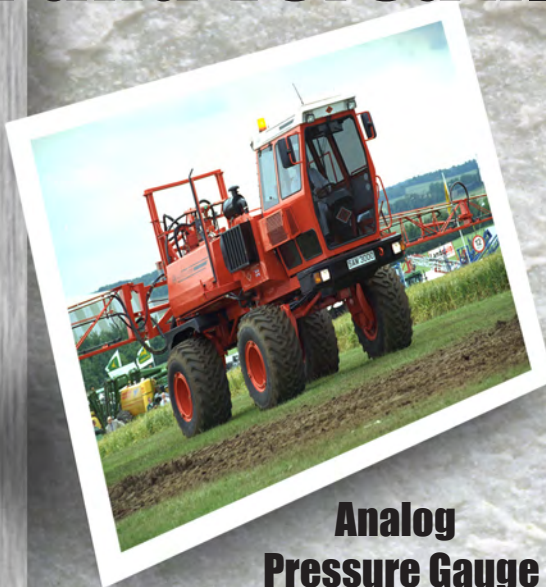
Measuring only the pressure means you can correctly set each valve and ensure that the machine is not being over-loaded. However you will need a flow meter to identify the suspect components.

Using a hydraulic 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.

HT Series Hydraulic testers reduce down-time and save on labour...

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



Analog 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 analog 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.

...for mobile and industrial applications



Analog Flow Readout

The HT analog series testers have a dual scale (low & high flow) analog readout for improved resolution and offers excellent rate-of-change indication for increasing or decreasing flows. 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 Analog 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

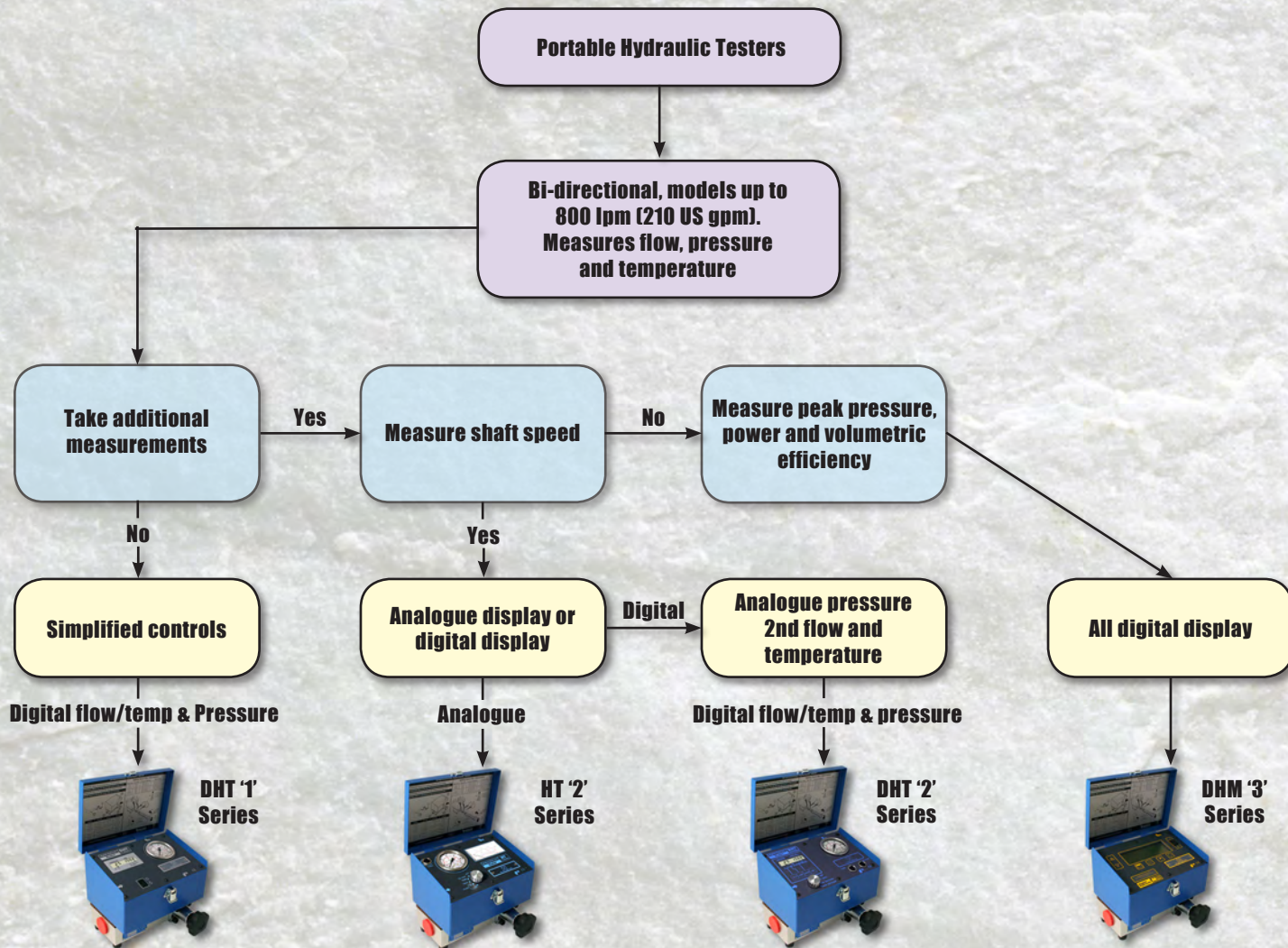
A load valve allows you to safely simulate simulate pressure in the hydraulic system without the need to operate all the machine functions in the field or in the workshop.

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

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 our testers. "INTERPASS" protects the tester and operator from over-pressurisation and the environment from external oil leaks.

Product Selector



HT 2 Series

See our technical bulletin for full specifications

Flow and Pressure Ranges

Model Number	Flow Range	Pressure Range
HT302-B-6	8 - 300 lpm	0 - 420 bar
HT302-S-6	2 - 80 US gpm	0 - 6000 psi
HT402-B-6	10 - 400 lpm	0 - 420 bar
HT402-S-6	2.5 - 100 US gpm	0 - 6000 psi
HT602-F-3	5 - 210 US gpm	0 - 3000 psi
HT602-S-7	20 - 800 lpm	0 - 480 bar
HT602-S-7	5 - 210 US gpm	0 - 7000 psi
HT802-F-3	5 - 210 US gpm	0 - 3000 psi
HT802-S-7	20 - 800 lpm	0 - 480 bar
HT802-S-7	5 - 210 US gpm	0 - 7000 psi



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