

WTA SERIES HYDRAULIC ANALYZER

Simple compact design allows for simultaneous measurement of flow, pressure and temperature on Mobile Industrial & Agricultural industries.



BENEFITS

Reversible Flow Indicator

The WTA will allow full flow to pass through in the reverse direction at low pressure but will not measure the reverse flow. This can be useful in situations when the flow and direction are uncertain or a cycle requires reversing, via the raising and lowering of a cylinder.

Easy Connection & No Power Required

The WTA can be connected "In Line" between the pump and valve for convenient machine testing.

Rugged and Reliable

Manufactured in a painted high quality steel case with removable lid. The WTA can withstand the most rigorous of use out in the field.

Loading Valve

A loading valve allows you to simulate pressure on the hydraulic system without the need to operate all the machine functions in the workshop. The multi-stage valve design assures low handle effort and smooth operation over the entire flow and pressure range.

Built-in Thermometer

Heat stressed hydraulic fluids can be a major factor in component failure. The thermometer, calibrated for both °F and °C is a carefully designed and integrated part of a high quality unit, not a bolted-on afterthought.

FUNCTIONAL SPECIFICATIONS

Measuring Accuracy

Flow: $\pm 4\%$ of full scale
Pressure: $\pm 1.6\%$ of full scale
Temperature: $\pm 5^\circ\text{F}$ ($\pm 2.5^\circ\text{C}$)

Flow Measuring Range

2-32 GPM (10-120 lpm)
2-54 GPM (10-200 lpm)

Maximum Operating Pressure

6000 PSIG (420 Bar)

Standard Calibration Fluids

28cSt Oil

Ambient Temperature

-10 to 50 °C (14 - 122 °F)

Fluid Temperature

68 - 176°F (20 to 80°C) continuous use. Intermittently (< 10 minutes) up to 230°F (110°C).

Fluid Type

Hydraulic oils

Dimensions

310 x 105 x 120 mm (12-1/4" x 4-1/8" x 4-7/8")

Weight

14.5 lbs (6.6kg)

Accessories

A range of burst discs are available - please consult factory.

TECHNICAL SPECIFICATIONS

Model Number	Flow Range		Inlet Fitting	Outlet Fitting
	lpm	gpm		
WTA32	10-120	2-32	1-5/16" - 12UN JIC Male	1-5/16" - 12UN JIC Male
WTA50	10-200	2-54	1-5/16" - 12UN JIC Male	1-5/16" - 12UN JIC Male

MATERIALS OF CONSTRUCTION

Component	Material
Case	Painted steel - removable lid
RFI body	Aluminum 2011T6
Load valve body	Aluminum 2011T6
Internal components	Stainless Steel, Brass
Seals	Viton

NOTE: This unit is not designed for permanent installation.

Products may be subject to change without notice - Contact factory for the most up-to-date product information.