

# AWS HY Test Stands<sup>series</sup>

The **AWS-HY series** test stands are designed for the testing of hydraulic wrenches and cassette type hydraulic wrenches.

System accuracy is  $\pm 0.5\%$  of indicated reading, top 95% of range, which satisfies metrology lab requirements while the robust features of these stands enables use in the harshest environments.

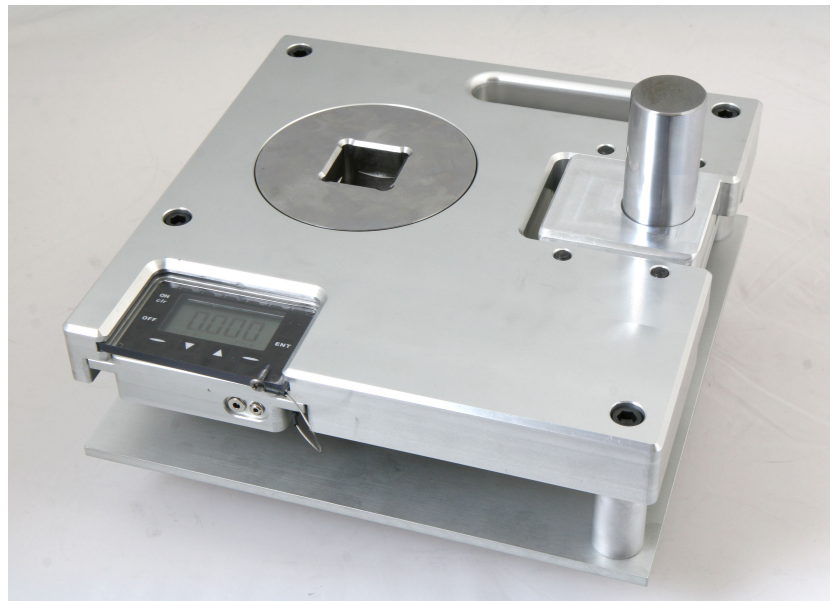
## Intellect Series Transducers

The standard transducers embedded within the test stand are Intellect, ("plug and play"), self recognizing to the display instrument. The torque ranges available are from the smallest capacity and footprint (8" x 8" 25-500 Lbf Ft) up to the our largest heavy duty test stand (18" x 24" 5000-50,000 Lbf Ft).

AWS-41012HYDP

## Test Stand Features

- » Very accurate and durable transducer.
- » Solid machined aluminum plate for weight reduction and long term durability.
- » Steel reaction posts inserted into drill bushings or custom reaction plates to provide flexible torque reaction points.
- » Test stand is internally torque accepting so stand is not required to be bolted down.
- » Standard configuration is for test stand to be supplied with internal torque display.



## System Specifications

**System Accuracy** .5% bidirectional

**Engineering Units** Eight selectable:  
Oz.in., Lb.in., Lb.ft., Nm,  
cNm, KgCm, gfCm, Kgfm

**Modes** Track, Peak, or First Peak

**Housing** Heavy Duty Aluminum

**Batteries** Rechargeable NiMH  
batteries provide 10 -12  
hours of continuous use

**Test Stand Dimensions**

Small stand	8" x 8" x 8"
Medium stand	12" x 12" x 12"
HD stand	14" x 19" x 14"
Large stand	18" x 24" x 14"

dimensions are approximate

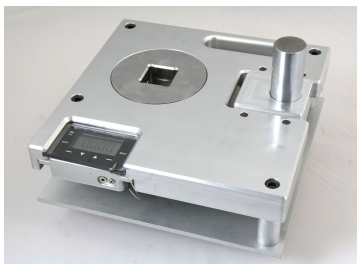
**System Weight** Depends on model

**Display** segmented, four active digits

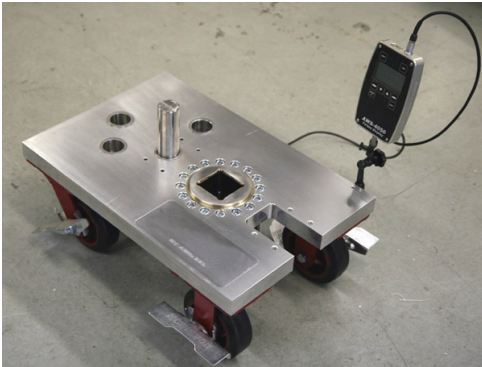
## Hydraulic tool Testing

Hydraulic wrenches are very powerful yet small and they do not have a continuous rotating output spindle so they are not tested with rundown devices. For most conventional hydraulic wrenches the output square is simply inserted into the internal square of the transducer and then the wrench is activated against the reaction device and the maximum torque will be displayed and/or recorded by the torque analyzer.

When testing cassette type hydraulic wrenches an external square to external hex drive is inserted into the internal square of the transducer and the cassette wrench is placed over the hex and then activated against the reaction device.



41025 HYDP test stand



AWS-8000



Accessories

Standard HYDP Test stands

Model #	Capacity and configuration	Dimensions	Weight
41011-HYDP	1000 Lbf Ft capacity with reaction device and embedded display.	8" x 8" x 14"	15 Lbs
41012-HYDP	2500 Lbf Ft capacity with reaction device and embedded display.	12" x 12" x 14"	20 Lbs
41013-HYDP-RD	5000 Lbf Ft capacity with reaction device and embedded display.	12" x 12" x 14"	20 Lbs
41014-HYDP-RD	7500 Lbf Ft capacity with reaction device and embedded display.	12" x 12" x 14"	25 Lbs

Heavy Duty Self contained HY test stands

Model #	Capacity and configuration	Dimensions	Weight
41011	1000 Lbf Ft capacity with reaction device, AWS-4050 display, articulated arm, casters and 1.5" square drive.	14" x 19" x 14"	50 Lbs
41012	2500 Lbf Ft capacity with reaction device, AWS-4050 display, articulated arm, casters and 1.5" square drive.	14" x 19" x 14"	50 Lbs
41013	5000 Lbf Ft capacity with reaction device, AWS-4050 display, articulated arm, casters and 1.5" square drive.	14" x 19" x 14"	50 Lbs
41014	7500 Lbf Ft capacity with reaction device, AWS-4050 display, articulated arm, casters and 1.5" square drive.	14" x 19" x 14"	50 Lbs
41015	10,000 Lbf Ft capacity with reaction device, AWS-4050 display, articulated arm, casters and 2.5" square drive.	18" x 24" x 14"	65 Lbs
41025	25,000 Lbf Ft capacity with reaction device, AWS-4050 display, articulated arm, casters and 2.5" square drive.	18" x 24" x 14"	65 Lbs
41016	50,000 Lbf Ft capacity with reaction device, AWS-4050 display, articulated arm, casters and 2.5" square drive.	18" x 24" x 14"	75 Lbs

Torque Analyzer Display Options

Model	Description	Dimensions	Weight
DP	Embedded display. This is the standard option for 8" x 8" and 12" x 12".	2" x 4" x 1.5"	.25 Lbs
AWS-4050	Portable display. This is the standard option for the Heavy Duty test stands and is supplied with an articulated arm for support.	4.25" x 7" x 1"	1 Lb
AWS-8000	Digital touch screen torque analyzer. 7" screen, instrument requires digital transducers.	5.5" x 8.25" x 1"	2 Lbs
AWS-8000-10	Digital touch screen torque analyzer. 10" screen, instrument requires digital transducers. Multiple transducer inputs.	7.5" x 12.75" x 1"	3 Lbs
Tools v2	AWS software application that allows PC or desktop to function as torque analyzer. Application also provides for database of tools, creation of calibration certificates, archiving and printing certificates and saved test results.	N/A	N/A

Part No.	Description
41000-100PI	100 PSI Intellect pressure transducer
41000-10KPI	10,000 PSI Intellect pressure transducer
41000-100PD	100 PD 100 PSI digital pressure transducer
41000-10KPD	10KPD 10,000 PSI digital pressure transducer
41000-30KPD	30KPD 30,000 PSI digital pressure transducer

AWS-4050 torque analyzer display

AWS-8000-10 touch screen digital torque display

