

# HIGH-ACCURACY WELD FORCE GAUGES AVAILABLE FROM TUFFALOY

Digital-Electronic

Digital-Hydraulic

Standard-Hydraulic

High-Capacity Hydraulic



TUFFALOY'S GAUGES MEASURE QUALITY OF WELDS OF THIS AUTOMOTIVE ROCKER PANEL BEFORE THEY'RE WELDED - LIMITING DESTRUCTIVE TESTING AND SCRAP



## We offer one of the broadest product lines available today






Tuffaloy supplies a broad range of weld force gauges, available with accuracies from 0.5% for Digital-Electronic gauges; to 1% accuracy for the Digital-Hydraulic which has a digital output driven by hydraulics; to our Standard Hydraulic models with 2%-3% accuracy. All are available in English and metric readouts.

Our **Digital-Electronic** gauge supplies the highest accuracy (0.5% for 95% of the gauges range). The gauge has large LCD readouts with peak-hold capabilities and has field selectable outputs. This unit comes with a 5-foot extension for ease of use. All functions are electronic which prevents variations caused by flexing. A Digital-Electronic unit without the flex cable is also available.

The **Digital-Hydraulic** delivers better accuracy than standard hydraulic gauges but at a lower price than all-digital models. The peak-hold feature allows for reading variable forces, which are common in resistance welding machinery. Gauges maintain an accuracy of 1% for 30% to 90% of the gauge's range.

Tuffaloy's **Standard Hydraulic** gauges are the low cost method for obtaining general force measurements. These gauges are available in a standard block style, with extensions. Sizes range from 300 lb up to 20 tons with accuracy of 2% at the mean and 3% outside of mean for 70% of the gauge's range.

## STANDARD GAUGE DATA

DESCRIPTION	MAXIMUM READING	INCREMENT EVERY	OPENING REQUIRED	EXTENSION LENGTH	FEATURES	ITEM NUMBER
Digital-Electronic Weld Probe 	0-2500 lbs/ 0-1133 Kg	1 lb/ 1 Kg	1/2"	5 Foot Cable	<ul style="list-style-type: none"> <li>User selectable English or Metric units</li> <li>NIST traceable certification</li> <li>Field selectable auto-shut-down battery saver</li> <li>No-weld setting not required</li> <li>Accuracy 0.5% full scale</li> </ul>	601-8025HDI
	0-5000 lbs/ 0-2266 Kg	5 lbs/ 5 Kg	7/8"			601-8050HDI
Digital-Electronic Weld Probe - (Without Extension) 	0-2500 lbs 0-5000 lbs 0-1133 Kg 0-2266 Kg	1 lb 5 lb 1 Kg 5 Kg	1/2" 7/8" 1/2" 7/8"	-	<ul style="list-style-type: none"> <li>NIST traceable certification</li> <li>Auto-shut-down 4 minute battery saver</li> <li>Requires no-weld setting use</li> <li>Accuracy 1.0% full-scale</li> <li>Best price / performance ratio</li> </ul>	601-8025HD 601-8050HD 601-8113HD 601-8226HD
Digital-Hydraulic* 	0-1361 0-3000 0-5000 0-10,000 0-3000	1 Kg 1 lb 1 lb 1 lb 1 lb	3/4" 3/4" 3/4" 3/4" 3/4"	- - - - 12"	<ul style="list-style-type: none"> <li>Accuracy 2%</li> <li>NIST traceable certification</li> </ul>	601-1361D 601-3000D 601-5000D 601-9999D 601-3000D-12S
Standard-Hydraulic* 	0-1000 0-2000 0-2000 0-3000 0-3000 0-5000 0-6000 0-6000 0-10,000	20 lb 50 lb 50 lb 20 lb 20 lb 100 lb 50 lb 50 lb 100 lb	3/4" 3/4" 3/4" 3/4" 3/4" 3/4" 3/4" 3/4" 3/4"	- - 12" - 12" - - 18" -	<ul style="list-style-type: none"> <li>Dual Reading, lbs and Kg</li> <li>Accuracy 3%</li> </ul>	601-8010 601-8020 601-8020-12 601-8030 601-8030-12 601-5000 601-6000 601-6000-18 601-8100
High-Capacity Hydraulic* 	0-20,000 0-40,000	50 lb 100 lb	1-3/4"	- -	<ul style="list-style-type: none"> <li>Metric equivalent available</li> </ul>	601-20000 601-40000

\* Hydraulic gauges should be selected to be used near mid range.