

TUFFALOY WELD FORCE GAUGES

HIGH-ACCURACY WELD FORCE GAUGES AVAILABLE FROM TUFFALOY

Digital-Electronic



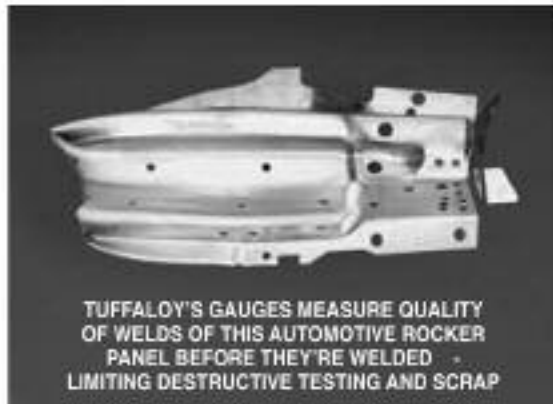
Digital-Hydraulic



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 2% 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. All functions are electronic which prevents variations caused by flexing.

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 600 lb. up to 10 tons with accuracy of 2% at the mean and 3% outside of mean for 70% of the gauge's range.

STANDARD GAUGE DATA

| Description | Features | Maximum Reading | Increment Every | Opening Required | Extension Length | Item Number |
|---|---|--|--|--------------------------------------|---------------------------|--|
| Digital-Electronic Weld Probe  | <ul style="list-style-type: none"> • <i>Analog output</i> • <i>Auto shut-off</i> • <i>No-weld setting-not required</i> • <i>Accuracy 0.5% over full range</i> | 0-1000 lbs/ 0-454 Kg | 1 lb 1 Kg | 1/4" | 10" | 601-8010MD 601-8045MD-KG |
| | | 0-3000 lbs/ 0-1133 Kg | 1 lb 1 Kg | 1/2" | 10" | 601-8300MD 601-8136MD-KG |
| | | 0-5000 lbs/ 0-2270 Kg | 1 lb 1 Kg | 1.1" | 10" | 601-8500MD 601-8227MD-KG |
| | | 0-10,000 lbs/ 0-2270 Kg | 1 lb 1 Kg | 1.1" | 10" | 601-8100MD 601-9453MD-KG |
| Digital-Hydraulic*  | <ul style="list-style-type: none"> • <i>Accuracy 2%</i> • <i>NIST traceable certification</i> | 0-1361 Kg 0-3000 lbs | 1 Kg 1 lb | 3/4" 3/4" | – – | 601-1361D 601-3000D |
| | | 0-5000 lbs 0-10,000 lbs | 1 lb 1 lb | 3/4" 3/4" | – – | 601-5000D 601-9999D |
| | | 0-3000 lbs | 1 lb | 3/4" | 12" | 601-3000D-12S |
| Standard-Hydraulic*  | <ul style="list-style-type: none"> • <i>Dual reading, lbs and Kg</i> • <i>Accuracy 3%</i> | 0-600 lbs 0-1000 lbs 0-2000 lbs | 10 lb 20 lb 50 lb | 3/4" 3/4" 3/4" | – – – | 601-8006 601-8010 601-8020 |
| | | 0-2000 lbs 0-3000 lbs 0-3000 lbs 0-5000 lbs 0-6000 lbs | 50 lb 20 lb 20 lb 100 lb 50 lb | 3/4" 3/4" 3/4" 3/4" 3/4" | 12" – 12" – – | 601-8020-12 601-8030 601-8030-12 601-5000 601-6000 |
| | | 0-6000 lbs 0-6000 lbs 0-10,000 lbs 0-5000 Kg | 50 lb 50 lb 100 lb 50 Kg | 3/4" 3/4" 3/4" 3/4" | 18" – – – | 601-6000-18 601-8100 601-8101 |
| High-Capacity Hydraulic*  | <ul style="list-style-type: none"> • <i>Metric equivalent available</i> | 0-20,000 lbs | 50 lb | 1-3/4" | – | 601-20000 |

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