

HIGH-ACCURACY WELD FORCE GAUGES AVAILABLE FROM TUFFALOY

Digital-Electronic



DLC Gauge



Digital-Hydraulic



Standard-Hydraulic



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 unit of measure is field selectable between pounds, kilograms, newtons and kilonewtons. The peak-hold feature allows for reading variable forces, which are common in resistance welding machinery. Gauges maintain an accuracy of 2% 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	Item Number
Gauge Case 	<ul style="list-style-type: none"> • Convenient padded gauge storage/carrying case • 4" D x 10" W x 10" L • Fits all hydraulic gauges 	601-8019



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"> • Analog output • Auto shut-off • No-weld setting-not required • Accuracy 0.5% over full range 	0-1000 lbs/ 0-454 Kg	1 lb 1 Kg	1/4"	10"	601-8010MD 601-8045MD-KG
		0-3000 lbs/ 0-1360 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/ 0-4540 Kg	1 lb 1 Kg	1.1"	10"	601-8100MD 601-8453MD-KG
DLC Digital-Electric 	<ul style="list-style-type: none"> • Accuracy 0.50% • NIST traceable certification • Response time less than 500 ms • Field selectable units switch between: Pounds Kilograms Newtons Kilonewtons • Peak hold feature 	3000 lb 1363 Kg 13344 N 13.34 KN	1 lb 1 Kg 1 N 0.01 KN	9/16"	-	601-3000DLC
		5000 lb 2272 Kg 2224 N 22.24 KN	1 lb 1 Kg 1 N 0.01 KN	9/16 "	-	601-5000DLC
Digital-Hydraulic* 	<ul style="list-style-type: none"> • Accuracy 2% • NIST traceable certification • Field selectable units switch between: Pounds Kilograms Newtons Kilonewtons 	0-3000 lbs. 0-1360 Kg 0-13,300 N	1 lb 1 Kg 1 N	3/4"	-	601-3000DR
		0-5000 lbs 0-2270 Kg 0-22,200 N	1 lb 1 Kg 1 N	3/4"	-	601-5000DR
		0-10,000 lbs 0-4540 Kg 0-44,500 N	1 lb 1 Kg 1 N	3/4"	-	601-9999DR
		0-3000 lbs 0-1360 Kg 0-13,3000 N	1 lb 1 Kg 1 N	3/4"	12"	601-3000DR-12S
Standard-Hydraulic* 	<ul style="list-style-type: none"> • Accuracy 3% 	0-600 lbs	10 lb	3/4"	-	601-8006
		0-1000 lbs	20 lb	3/4"	-	601-8010
		0-2000 lbs	50 lb	3/4"	-	601-8020
		0-2000 lbs	50 lb	3/4"	12"	601-8020-12
		0-3000 lbs	20 lb	3/4"	-	601-8030
		0-3000 lbs	20 lb	3/4"	12"	601-8030-12
		0-5000 lbs	100 lb	3/4"	-	601-5000
		0-6000 lbs	50 lb	3/4"	-	601-6000
		0-6000 lbs	50 lb	3/4"	18"	601-6000-18
		0-10,000 lbs	100 lb	3/4"	-	601-8100
		0-5000 Kg	50 Kg	3/4"	-	601-8101

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

