

# GS/GTX Force Gauges

## SPECIFICATIONS

# Quantrol™

### Specifications:

#### GS & GTX

**Capacity range:** 9 Models, 5 N to 2500N  
(see charts below)

	<u>GS</u>	<u>GTX</u>
<b>Accuracy</b>	0.2% cap.	0.1% cap
<b>Resolution</b>	2500 divs.	5000 divs.
<b>Effective peak data capture</b>	0.1 sec.	0.005 sec.
<b>A/D rate</b>	1000 Hz	2000 Hz

**Functions:** GTX also has database, statistics, date/time, pass/fail, reverse display and backlight

**Tension/compression testing:** Both

**Overload protection:** 120% minimum

**Power:** Rechargeable battery or AC charger

**Display type:** Dot graphic LCD

**Data collection:** RS-232

**Weight:** 27 oz (775 g) 500N and below  
37 oz (1060 g) 1000N and above

**Operating temperature:** 60° – 95°F (15° – 35°C)

**Includes:** Hook, plate, extension rod, carry case, batteries, charger, user's manual, calibration certificate

**Load bar:** Shows load percentage to minimize overloads

**Battery charge:** 20 hour operation from full charge

**Accessories available:** Universal test stand mounting plate, serial cable, software, quick couplers and adapters, test stands, popular grip assortment

**Warranty:** Two year parts and labor.

### Model GS Capacity and Divisions

	mN	N	kN	g-f	kg-f	oz-f	lb-f
<b>GS005</b>	5000 x 2	5 x 0.002	-	500 x 0.2	0.5 x 0.0002	17.5 x 0.01	1.1 x 0.0005
<b>GS010</b>	10000 x 5	10 x 0.005	-	1000 x 0.5	1 x 0.0005	35 x 0.02	2.2 x 0.001
<b>GS025</b>	25000 x 10	25 x 0.01	-	2500 x 1	2.5 x 0.001	87.5 x 0.05	5.5 x 0.002
<b>GS050</b>	50000 x 20	50 x 0.02	-	5000 x 2	5 x 0.002	175 x 0.1	11 x 0.005
<b>GS100</b>	-	100 x 0.05	-	10000 x 5	10 x 0.005	350 x 0.2	22 x 0.01
<b>GS250</b>	-	250 x 0.1	-	25000 x 10	25 x 0.010	875 x 0.5	55 x 0.02
<b>GS500</b>	-	500 x 0.2	-	50000 x 20	50 x 0.02	1750 x 1	110 x 0.05
<b>GS1K0</b>	-	1000 x 0.5	1 x 0.0005	-	100 x 0.05	-	220 x 0.1
<b>GS2K5</b>	-	2500 x 1	2.5 x 0.001	-	250 x 0.1	-	550 x 0.2

### Model GTX Capacity and Divisions

	mN	N	kN	g-f	kg-f	oz-f	lb-f
<b>GTX005</b>	5000 x 1	5 x 0.001	-	500 x 0.1	0.5 x 0.0001	17.5 x 0.005	1.1 x 0.0002
<b>GTX010</b>	10000 x 2	10 x 0.002	-	1000 x 0.2	1 x 0.0002	35 x 0.01	2.2 x 0.0005
<b>GTX025</b>	25000 x 5	25 x 0.005	-	2500 x 0.5	2.5 x 0.0005	87.5 x 0.025	5.5 x 0.001
<b>GTX050</b>	50000 x 10	50 x 0.01	-	5000 x 1	5 x 0.001	175 x 0.05	11 x 0.002
<b>GTX100</b>	-	100 x 0.02	-	10000 x 2	10 x 0.002	350 x 0.1	22 x 0.005
<b>GTX250</b>	-	250 x 0.05	-	25000 x 5	25 x 0.005	875 x 0.25	55 x 0.01
<b>GTX500</b>	-	500 x 0.1	-	50000 x 10	50 x 0.01	1750 x 0.5	110 x 0.02
<b>GTX1K0</b>	-	1000 x 0.2	1 x 0.0002	-	100 x 0.02	-	220 x 0.05
<b>GTX2K5</b>	-	2500 x 0.5	2.5 x 0.0005	-	250 x 0.05	-	550 x 0.1

# Software Specifications:

## Operating systems:

98/2000/NT/XP designed. XP tested.

**Easy set-up:** No confusing baud, bits, parity configuration required.

**Documentation:** Electronic

## Q-GRAPH GRAPHING SOFTWARE

**Data acquisition:** 0.02 to 10 Hz

**Plots:** Load vs. time

Distance vs. time (with speed conversion factor)

**Export:** Single button export to Excel

**Compatibility:** GTX and GS Gauges

## Q-DATA STATISTICAL SOFTWARE

**Input:** Individual readings or database dump

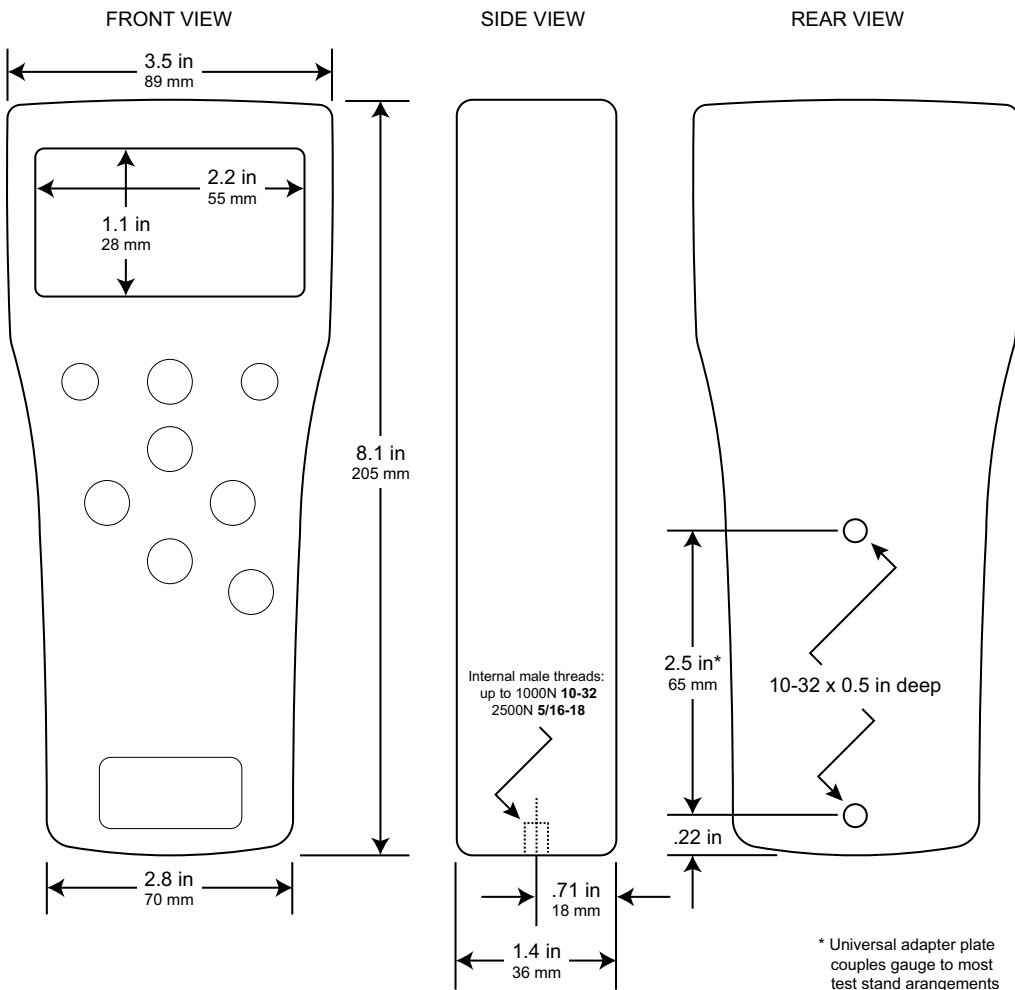
**Fields:** Record #, tension/compression flag, force, unit, date, time

**Statistics:** Minimum, maximum, mean, standard deviation, coefficient of variance, pass count and %, fail count and %.

**Compatibility:** GTX and GS Gauges  
(Database dump compatible with GTX only)

**Export:** Single button export to Excel

# Dimensions



## AUTHORIZED DISTRIBUTORS

**Ask the experts.** Quantrol distributors offer complete service capabilities from application assistance to sales and product support. Their experienced representatives are the most knowledgeable experts that you will find in the force measurement industry. We recommend that you consult these capable specialists for all of your measuring needs.

R.D. Jacobs Company  
500 Southeast Thirteenth Street  
Fort Lauderdale, Florida 33316  
Phone: 954.462.1932  
Fax: 954.527.4466  
email: [info@dynamometers.com](mailto:info@dynamometers.com)

# Quantrol™

Affordable  
Measurement  
Instruments

