

# Digital Force Gauge with Outputs

Ergonomic, heavy-duty metal construction

- Simple to use and accurate
- Easy-to-read, large LCD
- Accuracy:  $\pm 0.2\%$  full-scale  $\pm 1$  LSD
- RS-232, Digimatic, and analog outputs
- High/Low set points with LCD indicators
- Overload capacity 200% full-scale
- Real-time and peak modes; tare function
- Reversible display



59856-05



Optional handle  
59860-44

What's included: Six adapters, hard carrying case, NiMH rechargeable battery, and AC charger/adaptor.

Catalog No.	Model No.	Capacity	Resolution
TS-59856-03	DS2-0.4	7 oz / 200 g / 2 N	0.01 oz / 0.1 g / 0.001 N
TS-59856-04	DS2-1	18 oz / 500 g / 5 N	0.01 oz / 0.1 g / 0.001 N
TS-59856-08	DS2-4	4.4 lb / 2 kg / 20 N	0.001 lb / 0.001 kg / 0.01 N
TS-59856-05	DS2-11	11 lb / 5 kg / 50 N	0.01 lb / 0.001 kg / 0.01 N
TS-59856-09	DS2-44	44 lb / 20 kg / 200 N	0.01 lb / 0.01 kg / 0.1 N
TS-59856-07	DS2-220	220 lb / 100 kg / 1000 N	0.1 lb / 0.1 kg / 1 N
TS-59856-11	ZPH-440	440 lb / 200 kg / 2000 N	0.1 lb / 0.1 kg / 1 N
TS-59856-10	ZPH-1100	1100 lb / 500 kg / 5000 N	1 lb / 0.1 kg / 1 N
<b>Accessories</b>			
TS-25310-04	SW-15V	Data acquisition software for DS2 gauge	
TS-93965-20	DB-1X	Data button	
TS-93965-17	CB-203	RS-232 cable	
TS-59860-44	OH-1	Optional handle for DS2, FB and ZP	
TS-17090-16	—	<b>NIST-traceable calibration with data; gauges up to 250 lb</b>	
TS-17111-37	—	<b>NIST-traceable calibration with data; gauges up to 500 lb</b>	

# High-Performance Digital Force Gauges

Simple, rugged, virtually maintenance-free

- 1000 data/second True USB output
- Record and zoom in to analyze data with optional ZP recorder software
- Programmable high/low set points with color-coded LED indicators and output signal for quick go/no-go testing
- 1000 data memory
- USB, RS-232, and analog outputs
- External switch display hold and clear
- Overload alarm; overload capacity 200% full-scale
- Real time and peak mode with tare function
- Reversible display



Sold in kit form



59860-15

What's included: Attachments (flat head, conical, chisel, notched, small hook, large hook, Y hook, and extension rod), ZT-1213 logger software, USB driver, USB cable, hard carrying case, NiMH rechargeable battery, and AC charger/adaptor.

Catalog No.	Model No.	Capacity	Resolution
TS-59860-11	ZP-0.4	7 oz / 200 g / 2 N	0.01 oz / 0.1 g / 0.001 N
TS-59860-12	ZP-1	18 oz / 500 g / 5 N	0.01 oz / 0.1 g / 0.001 N
TS-59860-13	ZP-4	4.4 lb / 2 kg / 20 N	0.001 lb / 0.001 kg / 0.01 N
TS-59860-14	ZP-11	11 lb / 5 kg / 50 N	0.01 lb / 0.001 kg / 0.01 N
TS-59860-15	ZP-44	44 lb / 20 kg / 200 N	0.01 lb / 0.01 kg / 0.1 N
TS-59860-16	ZP-110	110 lb / 50 kg / 500 N	0.1 lb / 0.1 kg / 0.1 N
TS-59860-17	ZP-220	220 lb / 100 kg / 1000 N	0.1 lb / 0.1 kg / 1 N
<b>Accessories</b>			
TS-98816-71	ZP-R	Recorder data acquisition software for ZP gauge	
TS-59860-44	OH-1	Optional handle	
TS-17090-16	—	<b>NIST-Traceable calibration with data</b>	