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FORCE & TORQUE MEASUREMENT
ISO 9001 & ISO/IEC 17025 ACCREDITED

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Hand Held Digital Torque Gauge

Luminescent OLED Display, Multi-Language Menus

Series HTGS

- Luminescent OLED display is highly visible in dark locations
- Programmable high/low setpoints with color-coded LED indicators and output signal for quick Go/No Go testing
- Multi-language program menus: English, Spanish, French, Chinese, German, Italian, Korean, Japanese
- Ergonomic design, non-slip grips, heavy duty metal construction
- USB (virtual COM port), RS-232C, Digimatic and Analog outputs
- Processes and transmits 2,000 data/sec.
- lbf-in, kgf-m, and N-m units are selectable
- Overload capacity 200% of F.S.
- 1,000 data memory for recall or download
- External switch display hold and clear
- Internal Ni-MH batteries or AC adapter
- Real time and peak mode (selectable)
- Overload alarm and output signal
- Kit includes Jacob's chuck, Force Logger data acquisition software, USB cable, hex wrench, AC adapter/charger, calibration cert traceable to NIST and carrying case (handles for HTGS-85 only)
- Optional Jacobs chucks, square drive and small table attachments available

HTGS Ranges (Resolution) Accuracy: ±0.5% F.S. ±1 LSD

Model	Capacity (Resolution)			
	Pounds (lbf-in)	Kilograms (kgf-cm)	Newtons (N-cm)	Chuck
HTGS-4	70.00 (0.01) ozf-in	5.000 (0.001)	50.00 (0.01)	4mm
HTGS-15*	15.00 (0.01)	20.00 (0.01)	200.0 (0.1)	6.5mm
HTGS-40*	40.00 (0.01)	50.00 (0.01)	500.0 (0.1)	6.5mm
HTGS-85*	85.0 (0.1)	100.0 (0.1)	1000 (1)	6.5mm

*Add 'L' suffix for 13mm Jacob's chuck

Easy-to-use menus in eight languges make programming simple to select units, set high/low setpoints, and all other functions.

Luminescent OLED display shows torque value, unit, and peak, and can be configured with user-selectable data including memory data, +NG count, high/low setpoints, 1st and 2nd peaks, etc.

Color-coded LED indicators alert the user to Go/NoGo conditions. Orange lights for less than low setpoint, green lights between high and low, and red for over the high.

Process and transmit 2,000 actual data per second, not just the peak from a high sampling rate. Optional Force Recorder data acquisition software processes up to 2,000 data per second.

Force Logger data acquisition software downloads data from the gauge memory or captures a continuous stream of data at 10 data/second. Zero the gauge or capture data while at the computer. All gauge programming can be set and saved from the software.

Specifications subject to change without notice.

Program Menus

Program the gauge using simple menus in English, Spanish, French, Chinese, German, Italian, Korean, or Japanese.



2,000 data/sec

Capture 2,000 data/sec, not just the peak and observe force changes in fractions of a mS.



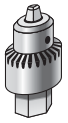
HTGS with Jacobs chuck

HTGS Specifications

Accuracy	± 0.5% ± 1 LSD
Selectable Units	lbf-in, ozf-in, N-m, N-cm, kgf-m, kgf-cm
Overload Capacity	200% of F.S. (Overload indicator flashes beyond 110% of F.S.)
Memory	Non-volative, recall up to 1,000 data
Setpoints	Programmable high/low setpoints w/color-coded LEDs & output signal
Outputs	USB (virtual COM port), RS-232C, Digimatic and ± 2 VDC analog

Optional Jacobs Chucks Available

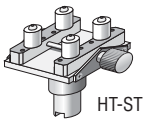
HT-DC-6.5	6.5 mm Jacobs chuck (included as a standard attachment)
HT-DC-13	13 mm Jacobs chuck
HT-DC-6.5SUS	6.5 mm Stainless steel Jacobs chuck
HT-DC-4	4 mm Jacobs chuck


HT-DC

Optional Small Tables Available

Measure cap torque and other applications.
Clamp diameters from 7mm~50mm. Not for HTGS-4

HT-ST	Small Table w 3/8" pegs
HT-ST-02	Small Table w 1-1/2" pegs
HT-ST-01	Small Table w 3/8" stainless steel pegs


HT-ST

Optional Remote Torque Sensor TFX series

- Flange with through holes in both flanges for easy installation
- Compact body 35mm dia. x 28mm height, fits where access is limited

TFX-5N	5.000 (0.001N-m)
TFX-10N	10.00 (0.01N-m)


TFX-5N

Optional Manual Torque Stands

- Holds HTGS or HTGA torque sensor
- Capacity 5N

RSH-5NRA	with angle encoder (requires HTGA)
RSH-5N	without angle encoder (for HTGS)
SHT-5N	holds torque sensor horizontally or vertically



Sensor is not included.