

Digital Force Gauges



Economic type (without output) FGJN Series

Digitally display measurement results

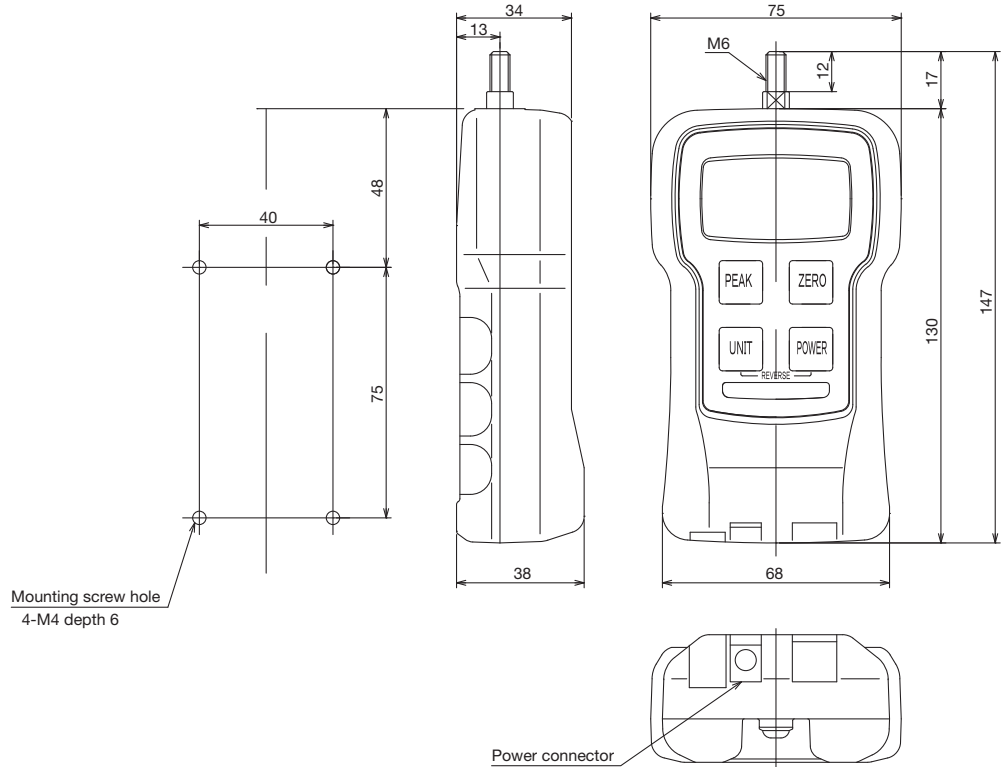


- Using a NiMH battery enables long time operation
- Rated capacity: 20.00N (2.000kg) to 500.0N (50.00kg)
- Adopts the reverse method to turn the displayed numerical value and unit upside down with the press of a button
- Can change the unit between N and kg (g) with the press of a button
- Can measure each peak value for the plus and minus sides (peak hold).
- High-speed peak measurement of 1000 times/sec
- The measurement frequency (display cycle) can be selected from options of up to 20 times/sec

Model	Maximum load	
	FGJN-2	±20.00N
FGJN-5	±50.00N	5kg
FGJN-20	±200.0N	20kg
FGJN-50	±500.0N	50kg

Dimensional drawing

(mm)









Specifications

Model	FGJN-2	FGJN-5	FGJN-20	FGJN-50
Rated capacity (R.C.) ^{Note 1)}	±20.00N (±2.000kg)	±50.00N (±5.000kg)	±200.0N (±20.00kg)	±500.0N (±50.00kg)
Available display range	±20.00N ±2.000kg	±50.00N ±5.000kg	±200.0N ±20.00kg	±500.0N ±50.00kg
Display resolution	0.01N/0.001kg		0.1N/0.01kg	
Unit	Unit change between N and kg (reverse display available)			
Measurement method	Normal measurement, plus peak measurement, minus peak measurement			
Display cycle	1 time/sec, 2 times/sec, 3 times/sec, 5 times/sec, 10 times/sec, 20 times/sec			
Sampling cycle	1000 times/sec			
Accuracy	±0.3%R.C. and ±1/2digit (at 23°C)			
Temperature effect	Gain: ±0.03%/LOAD/°C, Zero : ±0.02%/R.C./°C (Zero point drift can be canceled using the tracking function)			
Display	Number display: Signed 4-digit LCD display (Signs can be optionally set for the load direction, reverse (upside-down) display available) Font height: 12mm Unit display: 3-digit display (Font height: 7mm) Various display: (1)*LO BAT* (low battery voltage)(2)*BAT* (during charging)(3)*OVR* (overload)(4)*PEAK* (peak hold mode)			
Overload capacity	200%R.C			
Tracking function	Provided (can be switched ON/OFF)			
Power	AC adapter (DC9V/200mA) or built-in NiMH battery (rechargeable) Measurement available during charging, Battery operating time: Approx. 8 hours from full charge Charging time: Max. 12 hours (Automatically ends when fully charged)			
Auto power off function	10 min (The unit can be used while connected to the AC adapter), or OFF			
Operating temperature range	0 to 40°C (No condensation)			
Operating humidity range	35 to 85%RH (No condensation)			
External dimensions	Width 75 x Thickness 38 x Length 147mm			
Weight	Approx. 450g			
Accessories	Measurement adapters (6 types), hanger, AC adapter, carrying case			

Note 1) R.C.=RATED CAPACITY

Force Gauge Attachment Adapters (as a set supplied with the main unit)

Shape						
FGPX FGP FGJN (for M6)	Round drill 70°	Mountain shape 70°	V groove 70°	ø12mm	Hook	L : 92mm
•M4 measurement adapters are attached for models of 0.5N or less.						
MF (for M6)	Round drill 90°	Mountain shape 90°	V groove 90°	ø15mm	Hook	L : 90mm
•Adapters include a total of the 8 types mentioned above, big hook, and hook meter. For attachments for the 200N to 500N models, contact us separately.						

*Shapes may differ slightly depending on sizes. For details, contact us.

TOREMON
USB

Data Import Software Specialized for FGP·FGPX

TORIEMON USB

■ Functions

Use the USB cable and connect the unit to a PC. The specialized data import software "TORIEMON USB" (that can be downloaded free of charge from our website) can be used to import test results to the PC.

- Trigger (Starts data import when the specified load is attained)
- Single data import (measurement data, ±peak data)
- Continuous data import
- Import capacity: Can be set to up to 65,000 sets
- Import interval: 10, 20, 50, 100 times/sec
- Can import data by connecting through a USB port on a PC
- Equipped with the USB communication function, it's easy to connect to a PC.

