



*DigiTech*

# JUST PRO DTG series

Digital Push Pull Force Gauge

## MANY FUNCTIONS! SIMPLE OPERATION!

### Display

- Easy-to-read, large LCD display
- Display reverse function

### Memory

- Memory up to 1000 data of peak and hold values
- Automatic peak measuring value record(Auto-memory function)

### Connection

- Print out measuring data with connection to printer
- By setting control value of load and displacement it is possible for control the instruments
- Connectable to computer through USB output cable

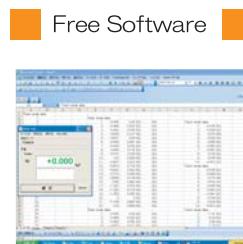
### Function

- Connector insert and pull-out test function. Auto power OFF function
- ±NG,OK judgments with LED display(with open collector output)
- Displacement control with connection to displacement meter
- Preset values of ON, OFF points (by connection with points of switch and Connectors etc.)

### Power Source

- Ni-MH battery(environment-friendly and pollution-free battery)
- A multi AC adapter(AC100V ~ 240V)is provided for battery charger

Equipped with displacement indication  
and a displacement control function



※Download freeware from homepage

## DTG-series Specifications

Measuring shaft	M6
Measuring accuracy	±0.2% F.S
Measuring unit	N, kgf (gf), lb
Measuring cycle	1ms,5ms,16ms,50ms (selectable)
Display renewal cycle	1, 2, 5, 10, 20 times per sec(selectable)
Communication method	USB mini B
Memory	1000 data
External input	Mitutoyo digimatic input, pulse input(displacement meter), point ON/OFF load detection input
Printer output	Serial output, Mitutoyo digimatic output
Output for test stand	Load setting/displacement setting method UP・DOWN・STOP output overload output
Analog output	±2V of full scale(load value only)
Tolerance judgment output	LOW・GOOD・HIGH LED lighting and output
Display	H45mm×W50mmLCD, Load:6digit, Displacement:7 digit, Battery remain quantity
Dimension	H220mm×W74mm×D37mm
Weight	approx. 500g
Operation temperature	0°C ~ 40°C
Power source	Ni-MH battery, AC100V~240V AC adaptar
Standard accessory	7pcs jig, a multi AC adapter, USB cable, plastic, carrying case, Operation manual, Test Certificate

## List of DTG-series

Model	DTG-1	DTG-2	DTG-5	DTG-10	DTG-20	DTG-50	DTG-100
Capacity	10N 1kgf 2.205lb	20N 2kgf 4.409lb	50N 5kgf 11.02lb	100N 10kgf 22.05lb	200N 20kgf 44.09lb	500N 50kgf 110.2lb	1000N 100kgf 220.5lb
Resolution	0.001N 0.1gf 0.001lb	0.01N 1gf 0.001lb	0.01N 1gf 0.01lb	0.01N 1gf 0.01lb	0.1N 10gf 0.01lb	0.1N 10gf 0.1lb	0.1N 10gf 0.1lb

## Cable (Option)

DTO-1	Analog output cable	DTO-4	External control cable
DTO-2	Stand control cable	DTO-5	Mitutoyo Digimatic input output cable
DTO-3	External control cable	DTO-6	Printer serial output cable Test stand connection cable

デジテック株式会社  
<http://www.dt-digitech.jp>

# Motorized Test Stands

## Model-AFK-500TE / AFS-1000

In addition to mechanical switch operations, this test stand can be controlled by our digital Force gauge for stopping, returning and stroke repeating by preset of load value and displacement value as standard function.  
In such case, both load value and displacement value are displayed on digital Force gauge.  
This test stand also can be connected with PC, and software for data processing is also available on request.



Capacity	500N(50kgf)
Test Speed	10~200mm/min
Test Stroke	150mm
Power Supply	AC100V~240V (multi power input)
Safety measures	Emergency stop button
Dimensions	W220×H459×D235mm
Weight	approx. 25kg



Load value and displacement value  
are displayed on digital Force gauge.



Optional software MODEL : FX-10

\*Jig is option

## Switch Feeling Tester

### Model-DTF-1 / DTF-2

Silicon rubber • keyboard • mobile phone etc...

Switch Feeling Test.



#### DTF-series Specifications

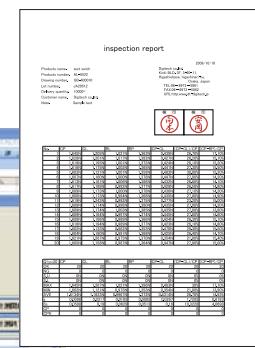
Measurement unit	N, kgf(gf), lb
Accuracy	±0.2% F.S
Measurement	To go: Peak value, bottom value, click ratio and head Return:Bottom value, peak value
Memory	500 data
Weight	approx. 5kg



#### List of DTF-series

Model	Capacity	Resolution
DTF-1	10N, (1000gf)	0.001N, (0.1gf)
DTF-2	20N, (2kgf)	0.01N, (1gf)

This is applicable for measurement of peak value, bottom value, click ratio, head of dome switch, silicon rubber and various switches by one touch operation. Data measured is memorized with tester and can be transferred to PC through USB output cable.



## Outside load cell connection model

### Model-DTW-05K/DTW-2K/DTW-200K



Measuring unit	N, kgf(gf), lb
Accuracy	±0.2% F.S
Measurement	Peak hold, Contactpoint hold, Tracking value
Weight	approx. 600g (a sensor part is included)

Model	Capacity	Resolution
DTW-05K	5N	0.001N
DTW-2K	20N	0.01N
DTW-200K	2kN	1N

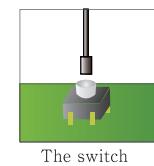
※Other capacity load cells can be connected.

## Portable Torque Gauge

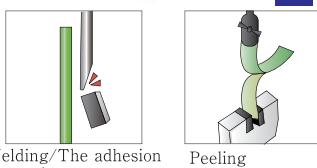
### Model-DTR-20/DTR-50/DTR-100



Capacity	※DTR-20 2000mNm(20kgfcm)
Resolution	※DTR-50 5Nm(5kgfcm)
Measuring unit	※DTR-100 10Nm(100kgfcm)
Accuracy	1mNm(0.01kgfcm)
Weight	N-m, kgf-cm, lb-in ±0.5% F.S
Accessory	approx. 900g (a sensor part is included) 4pcs screw driver bits



#### Measurement use example



#### Optional jig

CML-500M6 Flat chuck	500N M6 50mm
LV-20M6 L type chuck	20N M6 15mm

DIGITECH CO., LTD.

KINKI Bld, 3F, 3-20-11 HIGASHIOBASE, HIGASHINARI-KU, OSAKA, JAPAN, 537-0024  
TEL : +81-06-6973-5861 FAX : +81-06-6973-5862

