

# Digital Torque Analyzer

# EZ TORQ III



# Main Features

EZ-TorQ III is a precision torque Analyzer.

It provides a highly portable and easy-to-use UI. The EZ-TorQ III can be easily transported to the assembly line to check tools as part of a QA program or used at an assembly station for quick and easy torque tool verification and calibration.

Provides torque measurement result graph monitoring and measurement result data can be saved in SD-Card.

- Torque measurement +/- 0.5% accuracy  
(at least 20% of minimum measurement range)
- Supported tools: screwdriver, nut runner, click wrench, pulse tool
- OK / NG screen display and tolerance setting
- Graph monitoring with 1ms resolution
- User friendly UI
- Supports multiple torque units
- Auto-save result value on SD-Card
- 5 " LCD
- Provide free software for calibration
- Provide process capability analysis

# Product Specification

◆ POWER	DC3.7V 5,000mAh Li-ion Battery
◆ BATTERY CHARGING	Mini USB port, DC5V 2A
◆ BATTERY OPERATING TIME AND CONSUMPTION	LCD Brightness and Power Consumption 100% = 600mA (6 hours) 75% = 500mA (8 hours) 50% = 450mA (9 hours) 25% = 330mA (11 hours)
◆ LCD SCREEN	5 inch color touch LCD screen
◆ CHARGING TIME	6 hours to full charge
◆ TORQUE RANGE	10i, 50i, 100i, 150i, 300i
◆ PRECISION	+/- 0.5% precision (within 20 – 100% of maximum reading)
◆ LOW PASS FILTER OPTION	180 / 500 / 1000 Hz
◆ OPERATING MODE	Real-time, maximum point, first inflection point (click ranch)
◆ TORQUE UNIT	ozf.in. / lbf.in / lbf.ft / cN.m / N.m / Kgf.m / Kgf.cm
◆ DATA MEMORY	SD card, up to 32GB supported
◆ MULTILINGUAL SUPPORT	English, Spanish, French, German, Chinese, Portuguese
◆ TEST STATISTICS	SPC data and CMP values
◆ DISPLAY HISTORY	Check the history of the latest 10 values
◆ SCREEN RESET	Manual or automatic erasing
◆ OK/NG JUDGMENT	Judgment based on target and error setting

# Torque Analyzer

EZ-TORQ III TORQUE ANALYZER,  
Built-in Sensor Torque range 0.1~300



Mounting bolts(M8)



- ◆ Files are created by date on the SD card, and folders are created in units of month and year to save data.
- ◆ You can use the Mini USB port to charge the battery and download data.
- ◆ In the built-in type, when measure torque should always be fixed with two M8 bolts.

## SPECIFICATIONS

Model	Torque Range(kgf.cm)
EZ-TORQ III 1i, RS-232 Port	0.1 – 1
EZ-TORQ III 3i, RS-232 Port	0.3 – 3
EZ-TORQ III 5i, RS-232 Port	0.5 – 5
EZ-TORQ III 10i, RS-232 Port	1 – 10
EZ-TORQ III 20i, RS-232 Port	2 – 20
EZ-TORQ III 50i, RS-232 Port	5 – 50
EZ-TORQ III 100i, RS-232 Port	10 – 100
EZ-TORQ III 150i, RS-232 Port	15 – 150
EZ-TORQ III 300i, RS-232 Port	30 – 300
EZ-TORQ III , 1i /B	0.1 – 1
EZ-TORQ III , 3i /B	0.3 – 3
EZ-TORQ III , 5i /B	0.5 – 5
EZ-TORQ III , 10i /B	1 – 10
EZ-TORQ III , 20i /B	2 – 20
EZ-TORQ III , 50i /B	5 – 50
EZ-TORQ III , 100i /B	10 – 100
EZ-TORQ III , 150i /B	15 – 150
EZ-TORQ III , 300i /B	30 – 300

\* RS-232 port and BLUETOOTH port cannot be supported simultaneously.

# Built-Out Type Torque Analyzer

EZ-TORQ III TORQUE ANALYZER,  
without Sensor Torque range 0.1~3000



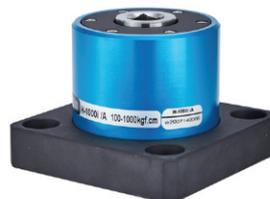
Connect with cable



1i/A  
3i/A  
5i/A



10i/A 100i/A  
20i/A 150i/A  
50i/A 300i/A  
500i/A



Torque Sensor

1000i/A  
2000i/A  
3000i/A

## BUILT OUT TYPE ANALYZER

### Model

EZ-TORQ III/A MULTI READER, BUILT OUT, RS-232 Port

EZ-TORQ III/AB

## TORQUE SENSOR

Model	Torque Range(kgf.cm)
1i/A	0.1 – 1
3i/A	0.3 – 3
5i/A	0.5 – 5
10i/A	1 – 10
20i/A	2 – 20
50i/A	5 – 50
100i/A	10 – 100
150i/A	15 – 150
300i/A	30 – 300
500i/A	50 – 500
1000i/A	100 – 1000
2000i/A	200 – 2000
3000i/A	300 – 3000

Torque Sensor can be use with EZ-TORQ III/A & EZ-TORQ III/AB both.

# Operation Features

**EZtorQ III** 100%

Model : EZtorQ III 100i  
 Serial Number : EZ3-18110026  
 SW ver : v1.0.0

Total : 8.00 GB  
 Used : 4.00 GB  
 Available : 4.00 GB

50%

Operation Graph History Setting About 2018-11-26 09:14:22

Torque Sensor can be use

No	Result	Time	Torque	Unit	Target	Tol(%)
1	●	2018-11-23 16:17:59	10.64	Kgf.cm	10.00	10%
2	●	2018-11-23 16:18:02	10.84	Kgf.cm	10.00	10%
3	●	2018-11-23 16:18:10	10.57	Kgf.cm	10.00	10%
4	●	2018-11-23 16:18:18	10.53	Kgf.cm	10.00	10%
5	●	2018-11-23 16:18:27	10.38	Kgf.cm	10.00	10%
6	●	2018-11-23 16:18:42	10.34	Kgf.cm	10.00	10%
7	●	2018-11-23 16:18:50	10.70	Kgf.cm	10.00	10%
8	●	2018-11-23 16:18:59	10.50	Kgf.cm	10.00	10%
9	●	2018-11-23 16:19:08	11.21	Kgf.cm	10.00	10%
10	●	2018-11-23 16:19:22	11.45	Kgf.cm	10.00	10%

Operation Graph History Setting About 2018-11-23 15:51:21

Test data history (latest 10 data)

Target : 50.00  
 Tol : 10%  
 Min : 45.00  
 Max : 55.00  
 Mode : First-Peak  
 Freq : 180 Hz

0  
 Kgf.cm

Count (OK / NG)  
 0  
 (0 / 0)

Full view  
 Reset All

touch to clear

Operation Graph History Setting About 2018-11-23 11:45:35

Operation display with basic information

Target : 50.00  
 Min : 45.00  
 Max : 55.00  
 Mode : First-Peak

Count / OK : NG Ratio  
 0 / 0 (0.00%) : 0 (0.00%)

Std.Deviation : 0.00  
 Average : 0.00

CM : 0.00  
 Min : 0.00

CMK : 0.00  
 Max : 0.00

Simple View  
 Reset All

touch to clear

Operation Graph History Setting About 2018-11-23 12:23:39

Operation display with static data

Torque (touch to clear) 10.67  
 6.62 Kgf.cm

Target 10.00  
 Mode First-Peak  
 OK Zone

20.00

0 ms 60 ms 120 ms

Operation Graph History Setting About 2018-11-23 14:42:12

Operation display with torque curve (1mS)

**Calibration mode** Save Quit

Max torque 100.00 Current **32763** Offset **32750**

Serial 18110026 -20% **31282** +20% **34245**

Unit  Kgf.cm  Kgf.m -40% **29800** +40% **35725**

N.m  cN.m  Ozf.in -60% **28331** +60% **37277**

Lbf.in  Lbf.ft -80% **26847** +80% **38700**

Type  3 Point  5 Point -100% **25378** +100% **40170**

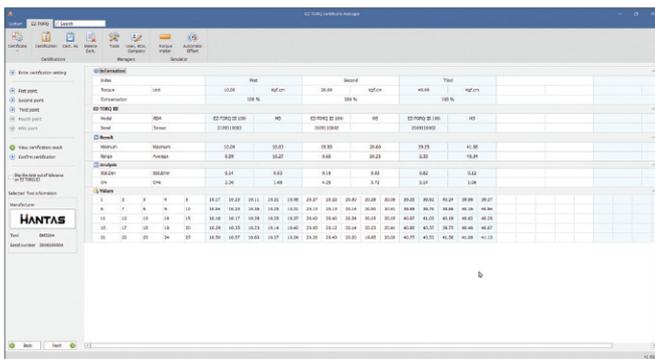
Touch and hold the block to set the value.

Tester calibration on board or PC software

# HANTAS provide EZ-TorQ QCM

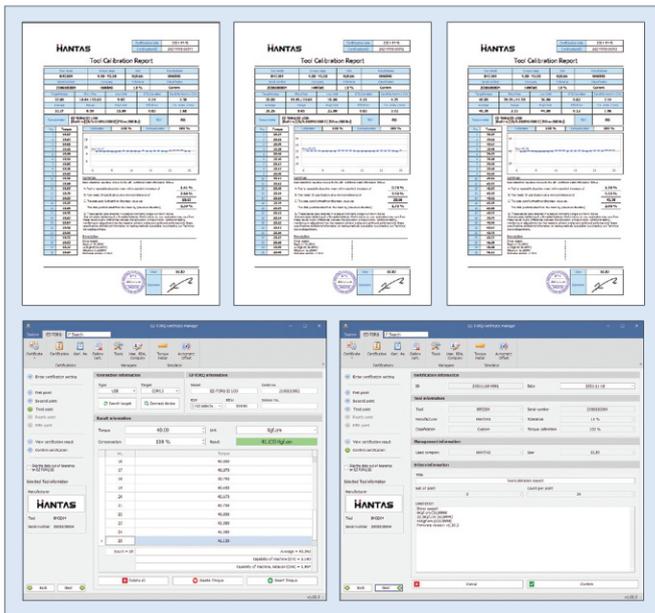
## FREE PC SOFTWARE FOR EZ-TORQ III

This Software provide Tool calibration, save calibration result, can make tool certification, save and manage certification.



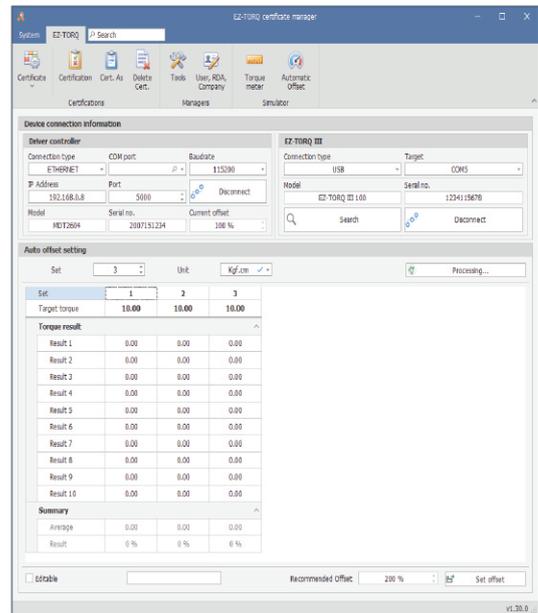
### View certification result

EZ-TORQ QCM provide make certificate of tool, Manager can see all data of certificate in one window



### Certificate management

EZ-TORQ QCM provide management of Certificate, that function provide save, back up, print, sharing to pdf



### Automatic Tool calibration (change offset)

EZ-TORQ QCM provide automatic tool calibration with HANTAS driver, If user using HANTAS driver, when calibration, QCM change offset automatically.

# Accessories

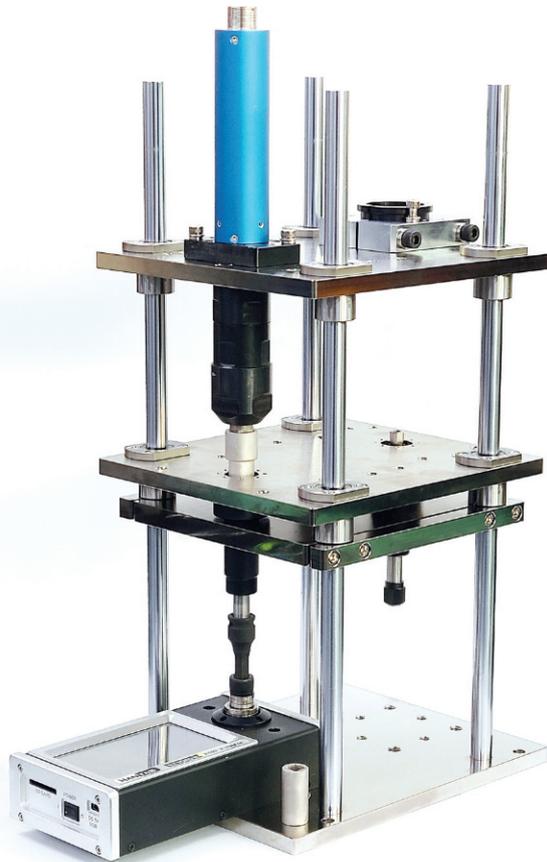
## RUNDOWN ADAPTORS

Screw Size	M2	M3	M4	M6	M8	M12
Torque (Kgf.cm)	< 2	< 5	< 50	< 100	< 200	< 300



※ Rundown simulation for 'Hard joint'

## TEST BENCH



※ Test bench design for HANTAS Driver

# RUNDOWN ADAPTORS S SERIES

Screw Size	S2	S3	S10	S15	S75	S200	S400	S600	S1000
Torque (Kgf.cm)	0.8-1	0.5-3	1.2-7	2.4-13.2	8-60	18-140	56-330	56-500	1000



※ Rundown simulation for 'soft joint', HANTAS driver calibration with S-type RDA

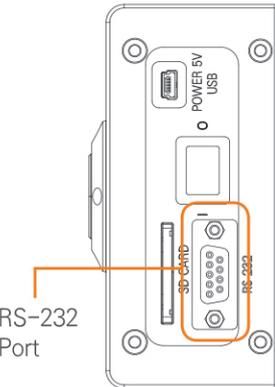
# PACKAGE



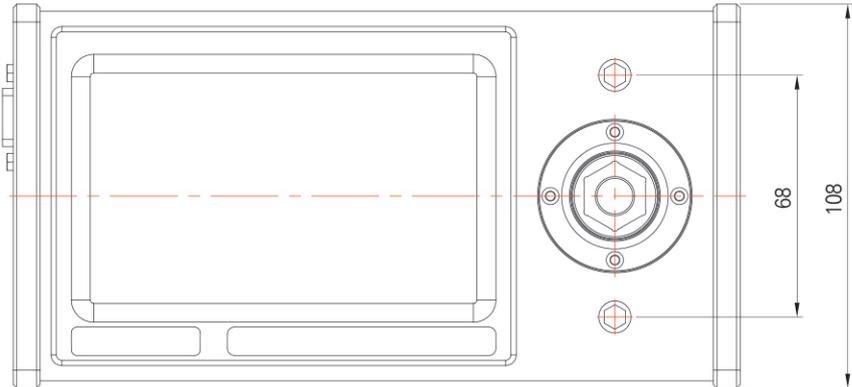
※ Charger optional between UL or CE certified.  
 ※ These are samples. The package is different by model.

# Layout

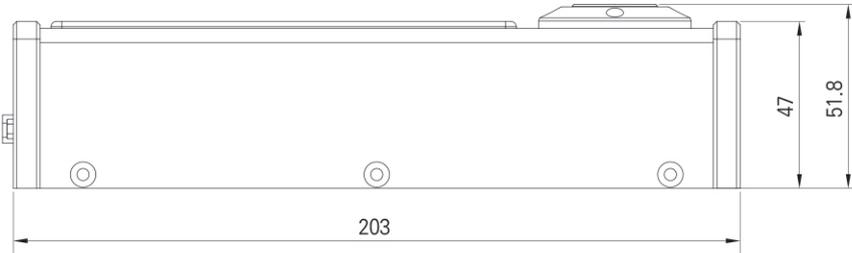
## EZ-TORQ III TORQUE ANALYZER, BUILT-IN



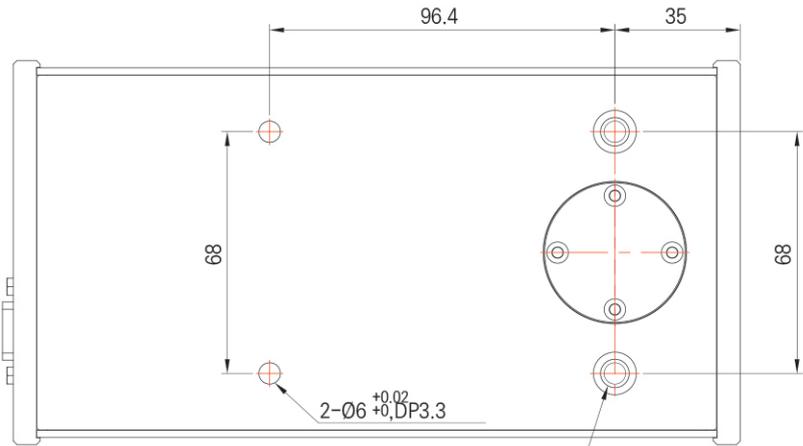
Side



Front

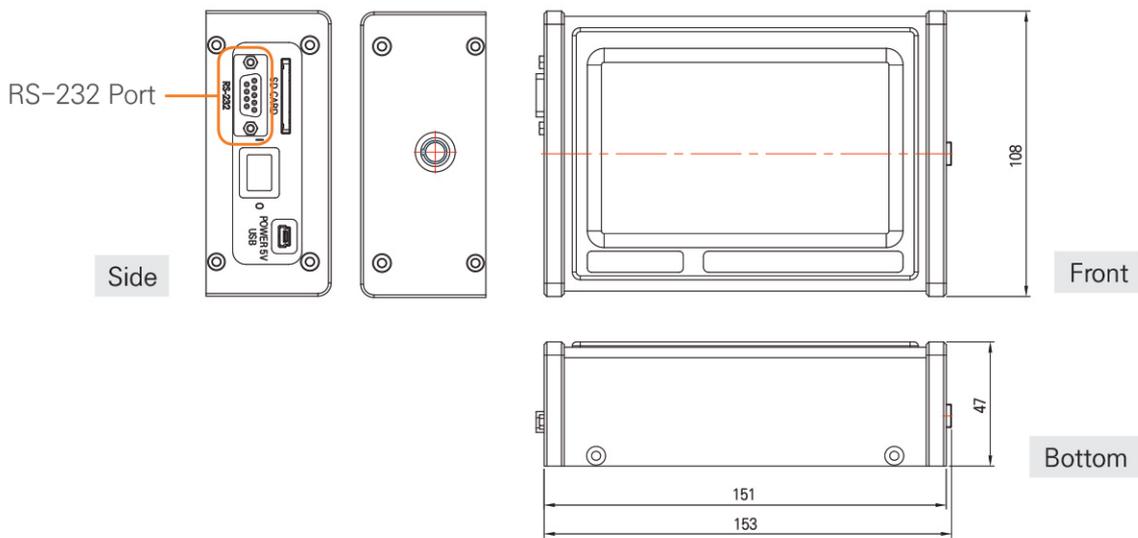


Bottom



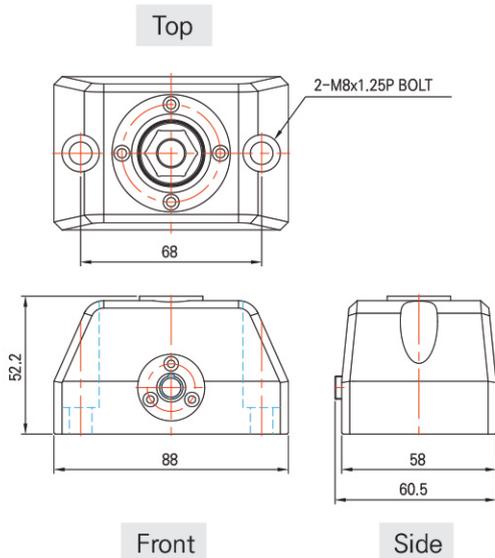
Back

## EZ-TORQ III TORQUE ANALYZER, BUILT OUT TYPE

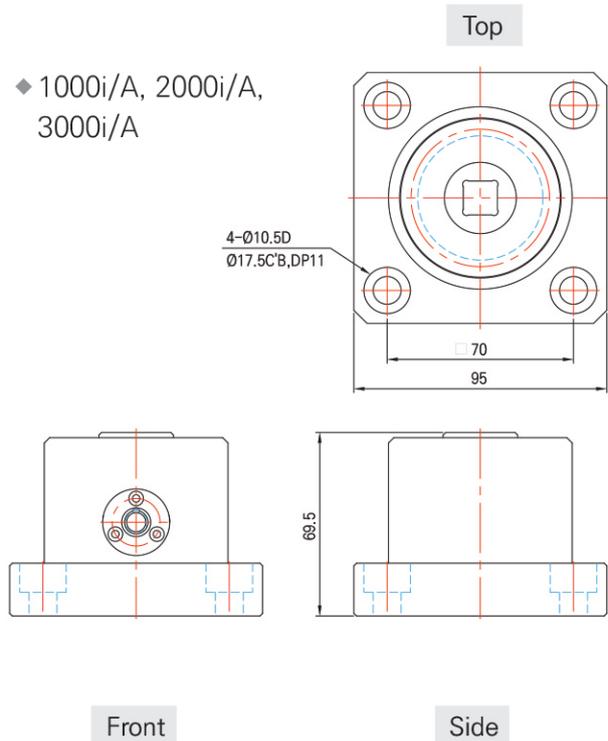


## TORQUE SENSOR

◆ 10i/A, 20i/A, 50i/A, 100i/A,  
150i/A, 300i/A, 500i/A



◆ 1000i/A, 2000i/A,  
3000i/A

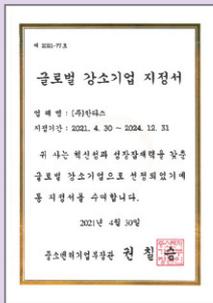


**Hantas Co., Ltd. is a global company that is shaping the future.**

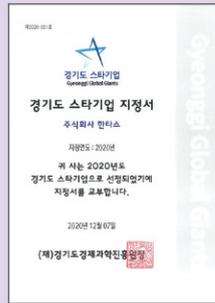
Hantas Co., Ltd. was founded by experts with 27 years of experience in driver production and development.

Hantas is specializes in manufacturing fasteners and torque meters and works with many partner companies around the world.

## Certification



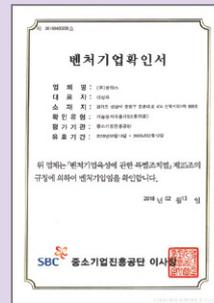
Certificate of Designation Small Giant Company of Korea



Gyeonggi-do Star Enterprise Designation



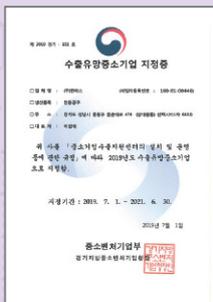
Gyeonggi Certificate of Promising Small and Medium-sized Enterprise



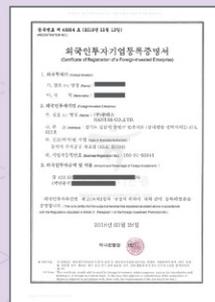
Venture company confirmation



Certificate of Inno-Biz



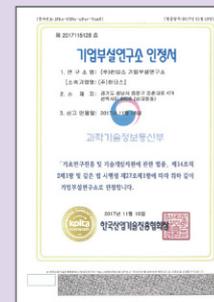
Certificate of export promising small and medium enterprise



Certificate of foreign investment company



Quality Management System Certificate



Certificate of Corporate Research Institute



Confirmation of a company specializing in materials and parts

## Overseas Branch



### North America

United States of America |  
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