



"TOHNICHI" Torque Products Made in Japan

FTD DIAL INDICATING TYPE TORQUE DRIVER



Model 02FTD2-S ... 5FTD2-S



Model 10FTD...40FTD

Model	Capacity (Bilateral) (kgf.cm)	Graduation (kgf.cm)
02FTD2-S*	0.03-0.2	0.005
05FTD2-S*	0.05-0.5	0.01
1FTD2-S*	0.1-1	0.02
2FTD2-S*	0.3-2	0.05
5FTD2-S*	.05-5	0.1
10FTD2-S*	1-10	0.2
20FTD2-S*	3-20	0.5
40FTD2-S*	5-40	1.0
10FTD**	2-10	0.2
20FTD**	4-20	0.5
40FTD**	8-40	1.0

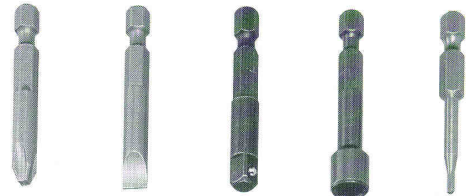
MLD ADJUSTABLE TYPE TORQUE DRIVER

Torque drivers provide suitable torque for tightening screws. When set torque is reached, a "signal" is felt by finger. No need to read the dial.



Model AMLD (Top) & Model BMLD

Model	Capacity (gf.cm)	Graduation (gf.cm)
200AML2**	50-200	2.5
400AML2**	100-400	5
800AML2**	200-800	10
1.5BML2	200-1500	10
3BML2	400-3000	20



Different types of bits are available

RTD ROTARY & ADJUSTABLE TYPE TORQUE DRIVER

This model combines the precision feature of the toggle type torque mechanism with the advantages of rotary slip type torque mechanism. Micrometer-type adjustment. No overtorque.



Model RTD

Model	Capacity (kgf.cm)	Graduation (kgf.cm)
1.5RTD***	0.2-1.5	0.01
3RTD***	0.4-3	0.02
6RTD***	1-6	0.05
12RTD***	2-12	0.10
26RTD***	6-26	0.20
50RTD***	10-50	0.25

Remarks:

All Product with Calibration Certificate

*With Max, Point Indicator

**With standard bits

***With reading lock

DB3 DIAL INDICATING TYPE TORQUE WRENCH

Ideal for quality control and inspection, and fully rugged enough for production work. With maximum reading memory pointer



Model	Capacity (Bilateral) (kgf.cm)	Graduation (kgf.cm)
60DB4-S	6-60	1
120DB4-S	10-120	2
230DB3-S	30-250	5
450DB3-S	50-450	5
900DB3-S	100-1000	10

QL CLICK ADJUSTABLE TYPE TORQUE WRENCH

Optional torque can be obtained by setting to desired graduation with micrometer-type adjustment. Suitable for high efficient mass production. No need to read dial or pointer while in use. Hear the "click", and feel the break-over when preset torque is reached. Automatic reset for next operation.



Model	Capacity (kgf.cm)	Graduation (kgf.cm)
60QL4	10-60	1
120QL4	20-120	2
225QL3	50-250	2.5
450QL3	100-500	5
900QL4	200-1000	10

SF FLAT BEAM TYPE TORQUE WRENCH

Direct reading. For quality control, inspection and production.



Model	Capacity (Bilateral) (kgf.cm)	Graduation (kgf.cm)
7SF	1-7	0.2
15SF	2-15	0.5
30SF	5-30	1
60SF	6-60	2



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**TG
TORQUE GAUGE**



Model ATG

Model BTG

A high-precision tool for the fine torque measurements required in inspection research and assembly of small parts, such as computers, etc. Dial graduations and the micro graduate scale on the body of the tool facilitate easy reading from any position. Accuracy is guaranteed to within $\pm 2\%$. A smooth, self-centering 3-jaws chuck is provided to grip the object to be measured quickly and accurately.

Model		Capacity cN.m	Graduation cN.m
Standard	With memory pointer		
ATG045CN	----	0.05~0.45	0.01
ATG09CN	ATG09CN-S	0.1~0.9	0.02
ATG1.5CN	ATG1.5CN-S	0.2~1.5	0.02
ATG3CN	ATG3CN-S	0.3~3	0.05
ATG6CN	ATG6CN-S	0.6~6	0.1
ATG12CN	ATG12CN-S	1~12	0.2
ATG24CN	ATG24CN-S	3~24	0.5
BTG15CN	BTG15CN-S	2~15	0.2
BTG24CN	BTG24CN-S	3~24	0.5
BTG36CN	BTG36CN-S	4~36	0.5
BTG60CN	BTG60CN-S	6~60	1
BTG90CN	BTG90CN-S	10~90	1
BTG150CN	BTG150CN-S	20~150	2

**TM
ANALOG TORQUE METER**



- Bi-directional measuring capability.
- Dual scale with cN.m and mN.m unit.
- Zero setting from outside.
- Accuracy better than $\pm 2\%$ of scale reading.
- With calibration certificate

Model		Capacity cN.m	Graduation cN.m
Standard	With memory pointer		
2TM100CN	2TM100CN-S	10~100	2
2TM150CN	2TM150CN-S	20~150	2
2TM200CN	2TM200CN-S	30~200	5
2TM300CN	2TM300CN-S	30~300	5
2TM400CN	2TM400CN-S	40~400	5
2TM500CN	2TM500CN-S	50~500	10
2TM600CN	2TM600CN-S	60~600	10
2TM750CN	2TM750CN-S	80~750	10
3TM10CN	3TM10CN-S	1~10	0.2
3TM15CN	3TM15CN-S	1.5~15	0.5
3TM25CN	3TM25CN-S	2.5~25	0.5
3TM50CN	3TM50CN-S	5~50	1
3TM75CN	3TM75CN-S	8~75	2

Model		Capacity mN.m	Graduation mN.m
Standard	With memory pointer		
4TM10MN	4TM10MN-S	1~10	0.2
4TM15MN	4TM15MN-S	1.5~15	0.5
4TM25MN	4TM25MN-S	2.5~25	0.5
4TM50MN	4TM50MN-S	5~50	1
4TM75MN	4TM75MN-S	8~75	2

TME2 DIGITAL TORQUE METER



- Accuracy $+1\%+1$ digit
- Extremely high resolution of 1/1000 precision level.
- Built-in microprocessor.
- Large-size 7 segment LED.
- Up to 99 different torque values may be stored at one time.
- RS232C output connector.
- Built-in diagnostic functions and over torque alarm.
- With calibration certificate

2TME			3TME		
Model	Capacity cN.m	Graduation cN.m	Model	Capacity cN.m	Graduation cN.m
2TME200CN2	40~200	0.2	3TME10CN2	2~10	0.01
2TME500CN2	100~500	0.5	3TME20CN2	4~20	0.02
2TME1000CN2	200~1000	1	3TME50CN2	10~50	0.05
2TME2000CN2	400~2000	2	3TME100CN2	20~100	0.1



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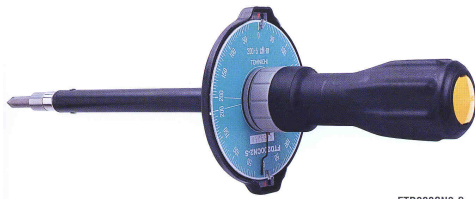
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**FTD
DIAL INDICATING TYPE
TORQUE DRIVER**



FTD200CN2-S

*Bits sold separately
*With maximum reading memory pointer

Model	Capacity cN.m	Graduation cN.m
FTD2CN-S	0.3~2	0.05
FTD5CN-S	0.5~5	0.1
FTD10CN-S	1~10	0.2
FTD20CN-S	3~20	0.5
FTD50CN-S	5~50	1
FTD100CN-S	10~100	2
FTD200CN-S	30~200	5
FTD400CN-S	50~400	10

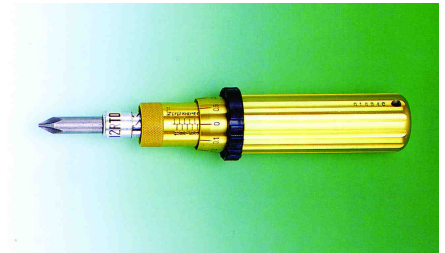
**STC
DIGITAL TYPE
TORQUE DRIVER**



Model	Capacity cN.m	Graduation cN.m
STC50CN	10~50	0.05
STC200CN	40~200	0.2
STC400CN	80~400	0.5

➤ LCD display. Can show maximum, minimum and average value. With infrared output.

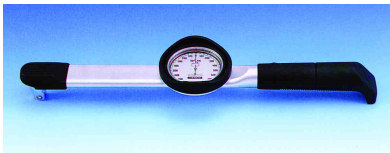
**RTD
ROTARY & ADJUSTABLE TYPE
TORQUE DRIVER**



Model	Capacity cN.m	Graduation cN.m
RTD15CN	2~15	0.1
RTD30CN	4~30	0.2
RTD60CN	10~60	0.5
RTD120CN	20~120	1
RTD260CN	60~280	2
RTD500CN	100~500	2.5

➤ This model combines the precision feature of the toggle type torque mechanism with the advantages of rotary slip type torque mechanism.
➤ Micrometer-type adjustment.
➤ No overtorque.

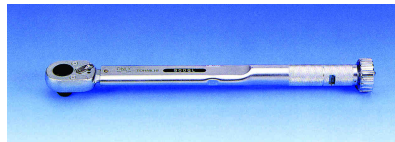
**DB
DIAL INDICATING TYPE
TORQUE WRENCH**



Ideal for quality control and inspection, and fully rugged enough for production work. With maximum reading memory pointer

Model	Capacity cN.m	Graduation cN.m
DB1.5N4-S	0.2~1.5	0.02
DB3N4-S	0.3~3	0.05
DB6N4-S	0.6~6	0.1
DB12N4-S	1~12	0.2
DB25N-S	3~25	0.5
DB50N-S	5~50	0.5
DB100N-S	10~100	1

**QL
CLICK ADJUSTABLE TYPE
TORQUE WRENCH**



Optional torque can be obtained by setting to desired graduation with micrometer-type adjustment. Suitable for high efficient mass production. No need to read dial or pointer while in use. Hear the "click", and feel the break-over when preset torque is reached. Automatic reset for next operation.

Model	Capacity cN.m	Graduation cN.m
QL12N4	4~12	0.2
QL25N	5~25	0.25
QL50N	10~50	0.5
QL100N4	20~100	1
QL140N	30~140	1

**CEM3
DIGITAL TYPE
TORQUE WRENCH**



Model	Capacity cN.m	Graduation cN.m	Head Size (Optional)
CEM10N3X8D	2~10	0.01	8D
CEM20N3X10D	4~20	0.02	10D
CEM50N3X12D	10~50	0.05	12D
CEM100N3X15D	20~100	0.1	15D
CEM200N3X19D	40~200	0.2	19D
CEM360N3X22D	70~360	0.4	22D
CEM500N3X22D	100~500	0.5	22D
CEM850N3X32D	170~850	1	32D

➤ Interchange head, suitable for large torque inspection
➤ Can show maximum, minimum and average value
➤ Up to 999 different torque values may be stored
➤ RS232C (Infrared output sold separately)
➤ Rechargeable battery



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