

Mechanical Push-Pull Gauge**Analog Push-Pull Force Gauge****SN Series****SKN Series**

The SN/SKN series are analog force gauge with compact size and high accuracy. Single click on a knob on the device will convert the movement of the indication needle from the peak force indication (the needle stands still indicating peak force) to the tracking indication (the needle moves in accordance with change of force).

Features

- High Resolution : The device provides 1/200 resolution and graduations scale is clear.
- Dual Scale (N & Kg)
- High Accuracy
- Easy Operation

Technical Specifications

Ref. No	Model	Capacity	Min. Load	Value Error
SU05 B001	SN-10	10N	0.05N	± 1%
SU05 B002	SN-20	20N	0.1N	± 1%
SU05 B003	SN-30	30N	0.2N	± 1%
SU05 B004	SN-50	50N	0.25N	± 1%
SU05 B005	SN-100	100N	0.5N	± 1%
SU05 B006	SN-200	200N	1N	± 1%
SU05 B007	SN-300	300N	2N	± 1%
SU05 B008	SN-500	500N	2.5N	± 1%
SU05 B009	SKN-1	1000N	5N	± 1%
SU05 B010	SKN-2	2000N	10N	± 1%
SU05 B011	SKN-3	3000N	20N	± 1%
SU05 B012	SKN-5	5000N	25N	± 1%

Digital Push-Pull Force Gauge**SH Series**

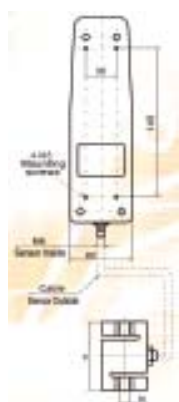
The SH series can be used not only for simple measurement of tension/compression force but also used for various testing purposes; such as switch test, connector insertion/withdraw test, and fracture test.

Features

- High accuracy, high resolution
- Peak hold function
- Comparator (limit) function
- Unit Conversion - It is possible to convert the graduations of N, kgf, lbf on the device

Technical Specifications

Ref. No	Model	Capacity	Min. Load	Sensor Conformation	Value Error
SU05 B013	SH-20	20N	0.01N	Sensor inside	± 0.5%
SU05 B014	SH-50	50N	0.01N	Sensor inside	± 0.5%
SU05 B015	SH-200	200N	0.1N	Sensor inside	± 0.5%
SU05 B016	SH-500	500N	0.1N	Sensor inside	± 0.5%
SU05 B017	SH-2K	2KN	1N	Sensor outside	± 0.5%
SU05 B018	SH-5K	5KN	1N	Sensor outside	± 0.5%
SU05 B019	SH-20K	20KN	0.01KN	Sensor outside	± 0.5%
SU05 B020	SH-50K	50KN	0.01KN	Sensor outside	± 0.5%



Model	H	M
SH-2K	76.2	M12 x 1.75
SH-5K	76.2	M12 x 1.75
SH-20K	101.6	M20 x 1.5
SH-50K	101.6	M20 x 1.5

Test Stand
Manual Test Stand


Ref. No : SU05 AT01
Model : SYJ



Ref. No : SU05 AT02
Model : SLJ

Vertical Motorize Stand


Ref. No : SU05 AT03
Model : SJV-5K

Horizontal Motorize Stand


Ref. No : SU05 AT04
Model : SJH-500

Spring Tester
Digital Spring / Flexibility Tester


Ref. No : SU05 C001
Model : SD-15



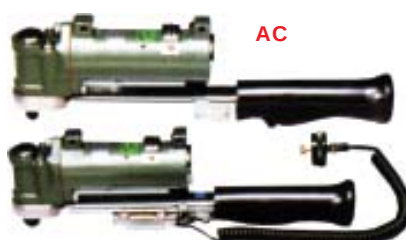
Ref. No : SU05 C002
Model : SD-150



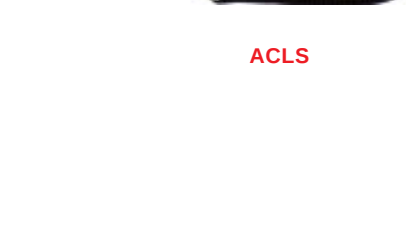
Ref. No : SU05 C003
Model : SD-1500

Technical Specifications

Model	SD-15	SD-150	SD-1500
Capacity	15N	150N	1500N
Resolution	0.001N	0.02/0.05N	0.5N
Min. Load	0.04N	0.4N	4N
Accuracy	± 1%	± 1%	± 1%
Stroke	70mm	100mm	150mm
Stroke Resolution	0.01mm	0.01mm	0.01mm
Plate Diameter	34mm	48mm	108mm
Max Spring Size Testable	70mm	150mm	200mm

Torque Wrench/Driver
Power Torque Wrench - A/AC Airtork


AC



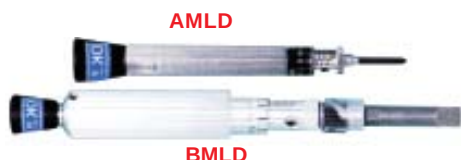
ACLS

After provisional tightening by an air motor, final torque is performed manually. LS type eliminates missed tightening.

Technical Specifications

Ref. No	Model	Accuracy ± 3%	
		Capacity (kgf · cm)	GRAD.
		Min ~ Max	
TN05 D001	A100	30 ~ 100	1
TN05 D002	A225	50 ~ 225	2.5
TN05 D003	A450	100 ~ 450	5
TN05 D004	A900	200 ~ 900	10
TN05 D005	A1800	400 ~ 1800	20
TN05 D006	A225C7	50 ~ 225	2.5
TN05 D007	A450C7	100 ~ 450	5
TN05 D008	A900C7	200 ~ 900	10
TN05 D009	A1800C	400 ~ 1800	20
TN05 D010	A100LS	30 ~ 100	1
TN05 D011	A225LS	50 ~ 225	2.5
TN05 D012	A450LS	100 ~ 450	5
TN05 D013	A225C7LS	50 ~ 225	2.5
TN05 D014	A450C7LS	100 ~ 450	5
TN05 D015	A900C7LS	200 ~ 900	10
TN05 D016	A1800CLS	400 ~ 1800	20

AMLD/BMLD Torque Driver



Non-Rotary slip clutch mechanism, for fine screws (M1 – M2)

Technical Specifications

Ref. No	Model	Capacity (gf · cm)		Accuracy ± 3%
		Min ~ Max	GRAD.	
TN05 D017	100AMLD	30 ~ 100	1	
TN05 D018	200AMLD	50 ~ 200	2.5	
TN05 D019	400AMLD	100 ~ 400	5	
TN05 D020	800AMLD	200 ~ 800	10	
		Capacity (kgf · cm)		
TN05 D021	1.5BMLD	0.2 ~ 1.5	0.01	
TN05 D022	3BMLD	0.4 ~ 3	0.02	

Note 1 : Bits for BMLD are optional

Note 2 : When set torque reaches the break is felt by hand.

RNTD Torque Driver



Preset type with rotary slip clutch.

Technical Specifications

Ref. No	Model	Capacity (cN · m)		Accuracy ± 3%
		Min ~ Max	GRAD.	
TN05 D023	RNTD15CN	5 ~ 15	0.5 ~ 1.5	
TN05 D024	RNTD30CN	10 ~ 30	1 ~ 3	
TN05 D025	RNTD60CN	20 ~ 60	2 ~ 6	
TN05 D026	RNTD120CN	40 ~ 120	4 ~ 12	
TN05 D027	RNTD260CN	100 ~ 260	10 ~ 26	
TN05 D028	RNTD500CN	200 ~ 500	20 ~ 50	

Note 1: Bits are optional

Note 2: Torque adjusting bar is optional

Note 3: T-bar is standard accessory for RNTD500CN

RTD Torque Driver

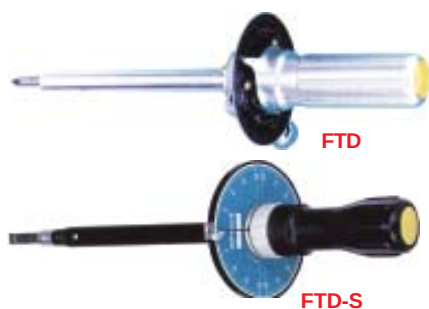


Rotary slip clutch mechanism, reducing the possibility of over-torque.

Technical Specifications

Ref. No	Model	Capacity (kgf · cm)		Accuracy ± 3%
		Min ~ Max	GRAD.	
TN05 D029	1.5RTD	0.2 ~ 1.5	0.01	
TN05 D030	3RTD	0.4 ~ 3	0.02	
TN05 D031	6RTD	1 ~ 6	0.05	
TN05 D032	12RTD	2 ~ 12	0.1	
TN05 D033	26RTD	6 ~ 26	0.2	
TN05 D034	50RTD	10 ~ 50	0.25	

FTD-S/FTD Torque Driver



Direct reading for torque value for all kinds of small screw tightening

FTD-S with memory pointer

FTD with preload device

Technical Specifications

Ref. No	Model	Capacity (cN · m)		Accuracy ± 3%
		Min ~ Max	GRAD.	
TN05 D035	FTD2CN-S	0.3 ~ 2	0.05	
TN05 D036	FTD5CN-S	0.5 ~ 5	0.1	
TN05 D037	FTD10CN-S	1 ~ 10	0.2	
TN05 D038	FTD20CN-S	3 ~ 20	0.5	
TN05 D039	FTD50CN2-S	5 ~ 50	1	
TN05 D040	FTD100CN2-S	10 ~ 100	2	
TN05 D041	FTD200CN2-S	30 ~ 200	5	
TN05 D042	FTD400CN2-S	50 ~ 400	10	

Ref. No	Model	Capacity (N · m)	
		Min ~ Max	GRAD.
TN05 D043	FTD8N2-S	1 ~ 8	0.2
TN05 D044	FTD16N2-S	3 ~ 16	0.5
		Capacity (cN · m)	
TN05 D045	FTD50CN	10 ~ 50	1
TN05 D046	FTD100CN	20 ~ 100	2
TN05 D047	FTD200CN	40 ~ 200	5
TN05 D048	FTD400CN	80 ~ 400	10
		Capacity (gf · cm)	
TN05 D049	02FTD2-S	30 ~ 200	5
TN05 D050	05FTD2-S	50 ~ 500	10
		Capacity (kgf · cm)	
TN05 D051	1FTD2-S	0.1 ~ 1	0.02
TN05 D052	2FTD2-S	0.3 ~ 2	0.05
TN05 D053	5FTD2-S	0.5 ~ 5	0.1
TN05 D054	10FTD2-S	1 ~ 10	0.2
TN05 D055	20FTD2-S	3 ~ 20	0.5
TN05 D056	40FTD2-S	5 ~ 40	1
TN05 D057	80FTD2-S	10 ~ 80	2
TN05 D058	160FTD2-S	30 ~ 160	5
TN05 D059	5FTD	1 ~ 5	0.1
TN05 D060	10FTD	2 ~ 10	0.2
TN05 D061	20FTD	4 ~ 20	0.5
TN05 D062	40FTD	8 ~ 40	1

Note 1 : FTD8N2-S, FTD16N2-S, FTD8N and FTD16N have (6.35mm) square drive.

Note 2 : -S models have a memory pointer as standard.

Note 3 : Handle bar is standard accessory for FTD8N2-S and FTD16N2-S.

Torque Wrench

QL/QLE Torque Wrench



QL

Adjustable torque wrench with fixed ratchet head

Technical Specifications

Ref. No	Model	Capacity (kgf · cm)		Accuracy ± 3%
		Min ~ Max	GRAD.	
TN05 D063	15QL	5 ~ 15	0.25	
TN05 D064	30QL	10 ~ 30	0.5	
TN05 D065	60QL	20 ~ 60	1	
TN05 D066	120QL	40 ~ 120	2	
TN05 D067	225QL3	50 ~ 250	2.5	
TN05 D068	450QL3	100 ~ 500	5	
TN05 D069	900QL3	200 ~ 1000	10	
TN05 D070	1400QL3	300 ~ 1400	10	
TN05 D071	1800QL3	400 ~ 2000	20	
		Capacity (kgf · m)		
TN05 D072	2800QL3	4 ~ 28	0.2	
TN05 D073	4200QL3	6 ~ 42	0.2	
TN05 D074	5500QL3	10 ~ 55	0.5	
TN05 D075	7500QL3	10 ~ 75	0.5	
TN05 D076	10000QL3	10 ~ 100	0.5	
TN05 D077	14000QL3	20 ~ 140	1	
TN05 D078	21000QL3	50 ~ 210	2	

Note : QL25N (225QL3) ~ QL280N (2800QL3) models are with resin grip.
Other models are with knurled handle. E-type models are with an extension bar handle.

QSP Torque Wrench



QSP

Preset type torque wrench with fixed ratchet head.

Technical Specifications

Ref. No	Model	Capacity		Accuracy ± 3%
		Min ~ Max (N · m)	Min ~ Max (kgf · cm)	
TN05 D085	QSP1.5N	0.5 ~ 1.5	5 ~ 15	
TN05 D086	QSP3N	1 ~ 3	10 ~ 30	
TN05 D087	QSP6N	2 ~ 6	20 ~ 60	
TN05 D088	QSP12N	4 ~ 12	40 ~ 120	
TN05 D089	QSP25N3	5 ~ 25	50 ~ 250	
TN05 D090	QSP50N3	10 ~ 50	100 ~ 500	
TN05 D091	QSP100N3	20 ~ 100	200 ~ 1000	
TN05 D092	QSP140N3	40 ~ 140	300 ~ 1400	
TN05 D093	QSP200N3	40 ~ 200	400 ~ 2000	
		Capacity (kgf · m)		
TN05 D094	QSP280N3	40 ~ 280	4 ~ 28	
TN05 D095	QSP420N3	60 ~ 420	6 ~ 42	

Note 1 : Please specify model name and required set torque when ordering.

Example QSP50N3 X 40N · m, QSP50N3 X 400kgf · cm

Note 2 : Shown with optional socket.

QL-MH Torque Wrench



QL-MH

Knurled metal handle

Technical Specifications

Ref. No	Model	Capacity (kgf · cm)		Accuracy ± 3%
		Min ~ Max	GRAD.	
TN05 D079	225QL-MH	50 ~ 250	2.5	
TN05 D080	450QL-MH	100 ~ 500	5	
TN05 D081	900QL-MH	200 ~ 1000	10	
TN05 D082	1400QL-MH	300 ~ 1400	10	
TN05 D083	1800QL-MH	400 ~ 2000	20	
		Capacity (kgf · m)		
TN05 D084	2800QL-MH	4 ~ 28	0.2	

SP/RSP Torque Wrench

RSP Ring Head, preset type



SP Spanner head, preset type

Preset type torque wrench with open end/ring head for single purpose bolt tightening.

SP Spanner head, preset type

RSP Ring head, preset type

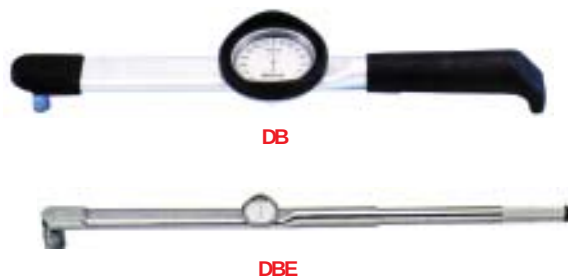
Capacity range : 4 ~ 5600 kgf · cm

Note 1: Tolerance of opening width is based upon JIS B4650. Nominal width without suffix is for standard steel bolt, with 'F' is for high tension blot and 'FF' is for high tension small bolt

Note 2: Please specify model name and required set torque when ordering.
Example : SP38N X 10 X 30N · m, SP38N X 10 X 300kgf · cm

Ref. No	Model
TN05 DD01	SP
TN05 DD02	RSP

DB/DBE/DBR Torque Wrench



Note 1 : DBR models are supplied on request

Note 2 : Without memory pointer models are available.

Remove '-S' from model name, for example DB100N

Note 3 : Shown with optional socket.

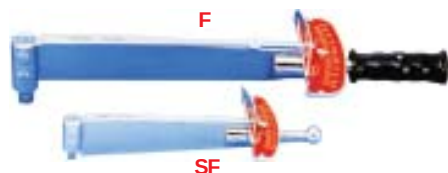
Note 4 : E-type models are with an extension bar handle

Dial indicating torque wrench. Suitable for easy and accurate torque measurements in various inspection and tightening applications.

Technical Specifications

Ref. No	Model	Capacity (kgf · cm)		Accuracy ± 3%
		Min ~ Max	GRAD.	
TN05 D096	15DB3-S	2 ~ 15	0.2	
TN05 D097	30DB3-S	3 ~ 30	0.5	
TN05 D098	60DB3-S	6 ~ 60	1	
TN05 D099	120DB3-S	10 ~ 120	2	
TN05 D100	230DB3-S	30 ~ 230	5	
TN05 D101	450DB3-S	50 ~ 450	5	
TN05 D102	900DB3-S	100 ~ 900	10	
TN05 D103	1800DB3-S	200 ~ 1800	20	
Capacity (kgf · m)				
TN05 D104	2800DB3-S	3 ~ 28	0.5	
TN05 D105	4200DB2-S	4 ~ 42	0.5	
TN05 D106	5600DBE2-S	5 ~ 56	0.5	
TN05 D107	7000DBE2-S	7 ~ 70	1	
TN05 D108	8500DBE2-S	10 ~ 85	1	
TN05 D109	10000DBE2-S	10 ~ 100	1	
TN05 D110	14000DBE2-S	20 ~ 140	2	
TN05 D111	21000DBE2-S	20 ~ 210	2	
TN05 D112	28000DBE2-S	30 ~ 280	5	
TN05 D113	45000DBR-S	50 ~ 450	5	
TN05 D114	60000DBR-S	60 ~ 600	5	

SF/F/FR Torque Wrench



Beam type torque wrench for tightening and inspection.

Technical Specifications

Ref. No	Model	Capacity (kgf · cm)		Accuracy ± 3%
		Min ~ Max	GRAD.	
TN05 D115	4SF	0.8 ~ 4	0.2	
TN05 D116	7SF	1 ~ 7	0.2	
TN05 D117	15SF	2 ~ 15	0.5	
TN05 D118	30SF	5 ~ 30	1	
TN05 D119	60SF	6 ~ 60	2	
TN05 D120	120SF	20 ~ 120	5	
TN05 D121	230F	30 ~ 230	5	
TN05 D122	460F	50 ~ 460	10	
TN05 D123	920F	100 ~ 920	20	
TN05 D124	1300F	200 ~ 1300	20	
TN05 D125	1900F	300 ~ 1900	50	
Capacity (kgf · m)				
TN05 D126	2800F	5 ~ 28	0.5	
TN05 D127	4200F	7 ~ 42	1	
TN05 D128	5600F	10 ~ 56	1	
TN05 D129	7000F	10 ~ 70	1	
TN05 D130	8500F	10 ~ 85	2	
TN05 D131	10000F	10 ~ 100	2	
TN05 D132	10500FR	10 ~ 105	2	
TN05 D133	14000FR	20 ~ 140	2	
TN05 D134	21000FR	30 ~ 210	5	
TN05 D135	28000FR	30 ~ 280	5	
TN05 D136	42000FR	40 ~ 420	10	
TN05 D137	60000FR	60 ~ 600	10	

Note 1 : FR models are supplied on request

Note 2 : FR models require a winch or mechanical device for loading

Note 3 : Shown with optional socket

CEM2 Data Digital Torque Wrench



Microprocessor controlled torque wrench with digital read-out for re-tightening torque inspection. Interchangeable head.

Technical Specifications

Ref. No	Model	Capacity (kgf · cm)		Accuracy ± 1% + 1 digit
		Min ~ Max	1 digit	
TN05 D138	90CEM2	18 ~ 90	0.1	
TN05 D139	180CEM2	36 ~ 180	0.2	
TN05 D140	450CEM2	90 ~ 450	0.5	
TN05 D141	900CEM2	180 ~ 900	1	
TN05 D142	1800CEM2	360 ~ 1800	2	
TN05 D143	3600CEM2	720 ~ 3600	4	
Capacity (kgf · m)				
TN05 D144	5000CEM2	10 ~ 50	0.1	
TN05 D145	8500CEM2	17 ~ 85	0.1	

Data memory	: 99 Data
Arithmetic function	: Sampling, Maximum, Minimum, Means
Measurement mode	: PEAK/RUN
Data output	: RS232C, I/F infrared ray
Continuous use	: 8 hours

ATG/BTG Torque Wrench



Hand held type torque gauge for micro torque measurement and torque tool inspections.
A three-jaw chuck firmly grasps object. 270 degree turning range.

Technical Specifications

Ref. No	Model	Accuracy ± 2%	
		Capacity (cN · m)	GRAD.
		Min ~ Max	
TN05 E001	ATG045CN	0.05 ~ 0.45	0.01
TN05 E002	ATG09CN-S	0.1 ~ 0.9	0.02
TN05 E003	ATG1.5CN-S	0.2 ~ 1.5	0.02
TN05 E004	ATG3CN-S	0.3 ~ 3	0.05
TN05 E005	ATG6CN-S	0.6 ~ 6	0.1
TN05 E006	ATG12CN-S	1 ~ 12	0.2
TN05 E007	ATG24CN-S	3 ~ 24	0.5
TN05 E008	BTG15CN-S	2 ~ 15	0.2
TN05 E009	BTG24CN-S	3 ~ 24	0.5
TN05 E010	BTG36CN-S	4 ~ 36	0.5
TN05 E011	BTG60CN-S	6 ~ 60	1
TN05 E012	BTG90CN-S	10 ~ 90	1
TN05 E013	BTG150CN-S	20 ~ 150	2
		Capacity (gf · cm)	
TN05 E014	45ATG	5 ~ 45	1
TN05 E015	90ATG-S	10 ~ 90	2
TN05 E016	150ATG-S	20 ~ 150	2
TN05 E017	300ATG-S	30 ~ 300	5
TN05 E018	600ATG-S	60 ~ 600	10
TN05 E019	1200ATG-S	100 ~ 1200	20
TN05 E020	2400ATG-S	300 ~ 2400	50
		Capacity (kgf · cm)	
TN05 E021	1.5BTG-S	0.2 ~ 1.5	0.02
TN05 E022	2.4BTG-S	0.3 ~ 2.4	0.05
TN05 E023	3.6BTG-S	0.4 ~ 3.6	0.05
TN05 E024	6BTG-S	0.6 ~ 6	0.1
TN05 E025	9BTG-S	1 ~ 9	0.1
TN05 E026	15BTG-S	2 ~ 15	0.2

Note 1 : ATG045CN and 45ATG models are provided without memory pointer on dial face

Note 2 : Without memory pointer models are available. Remove "-S" from model name. for example 2400ATG

Note 3 : Plastic chuck for ATG models is optional

Torque Meter

DOTE Torque Wrench Tester



DOTE

Digital torque wrench tester.
Data processing feature RS232C output.

Technical Specifications

Ref. No	Model	Accuracy ± 1% + 1 digit	
		Capacity (N · m)	1 digit
		Min ~ Max	
TN05 E027	DOTE20N	2 ~ 20	0.005
TN05 E028	DOTE36N	3.6 ~ 36	0.01
TN05 E029	DOTE100N	10 ~ 100	0.02
TN05 E030	DOTE200N	20 ~ 200	0.05
TN05 E031	DOTE360N	36 ~ 360	0.1
TN05 E032	DOTE700N	70 ~ 700	0.2
TN05 E033	DOTE1000N	100 ~ 1000	0.2
		Capacity (kgf · cm)	
TN05 E034	200DOTE2	20 ~ 200	0.05
TN05 E035	360DOTE2	36 ~ 360	0.1
TN05 E036	1000DOTE2	100 ~ 1000	0.2
TN05 E037	2000DOTE2	200 ~ 2000	0.5
		Capacity (kgf · m)	
TN05 E038	3600DOTE2	3.6 ~ 36	0.01
TN05 E039	7000DOTE2	7 ~ 70	0.02
TN05 E040	10000DOTE2	10 ~ 100	0.02

DOT Torque Wrench Tester



DOT

Dial indicating torque wrench tester.
Applicable only for clockwise testing.

Technical Specifications

Ref. No	Model	Accuracy ± 2%	
		Capacity (N · m)	GRAD.
		Min ~ Max	
TN05 E041	DOT35N	5 ~ 35	0.1
TN05 E042	DOT50N	5 ~ 50	0.2
TN05 E043	DOT100N	10 ~ 100	0.5
TN05 E044	DOT300N	30 ~ 300	1
TN05 E045	DOT700N	70 ~ 700	2
		Capacity (kgf · cm)	
TN05 E046	350DOT	50 ~ 350	1
TN05 E047	500DOT	50 ~ 500	2
TN05 E048	1000DOT	100 ~ 1000	5
TN05 E049	3000DOT	300 ~ 3000	10
TN05 E050	7000DOT	700 ~ 7000	20

TME Torque Meter



TME

Digital indicating torque meter for checking bottle cap tightness, starting torque, strength, etc.

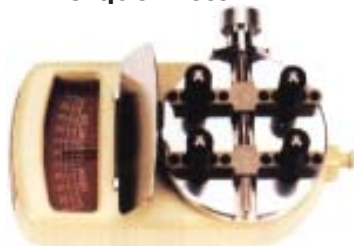
Features :

- Total 50 data memory.
- Applicable for calibration of torque driver and small size torque wrenches.

Technical Specifications

Ref. No	Model	Accuracy $\pm 1\% + 1$ digit	
		Capacity (cN · m)	1 digit.
		Min ~ Max	
TN05 E051	2TME180CN	36 ~ 180	0.2
TN05 E052	2TME450CN	90 ~ 450	0.5
TN05 E053	2TME900CN	180 ~ 900	1
TN05 E054	2TME1800CN	360 ~ 1800	2
TN05 E055	3TME9CN	1.8 ~ 9.0	0.01
TN05 E056	3TME18CN	3.6 ~ 18	0.02
TN05 E057	3TME45CN	9 ~ 45	0.05
TN05 E058	3TME90CN	18 ~ 90	0.1
		Capacity (kgf · cm)	
TN05 E059	2-TME18	3.6 ~ 18	0.02
TN05 E060	2-TME45	9 ~ 45	0.05
TN05 E061	2-TME90	18 ~ 90	0.1
TN05 E062	2-TME180	36 ~ 180	0.2
		Capacity (gf · cm)	
TN05 E063	3-TME09	180 ~ 900	1
TN05 E064	3-TME1.8	350 ~ 1800	2
TN05 E065	3-TME4.5	900 ~ 4500	5
		Capacity (kgf · cm)	
TN05 E066	3-TME9	1.8 ~ 9	0.01

TM Torque Meter



5TM



2TM-4TM

Rotation resistance of precision machine and tightening torque of bottle caps can be measured.

Technical Specifications

Ref. No	Model	Accuracy $\pm 2\%$	
		Capacity (mN · m)	GRAD.
		Min ~ Max	
TN05 E067	5TM1MN	0.2 ~ 1	0.05
TN05 E068	5TM1.5MN	0.2 ~ 1.5	0.05
TN05 E069	5TM2.5MN	0.5 ~ 2.5	0.1
TN05 E070	5TM5MN	1 ~ 5	0.2
TN05 E071	5TM7.5MN	1 ~ 7.5	0.2
		Capacity (gf · cm)	
TN05 E072	5-OT10	0 ~ 10	0.5
TN05 E073	5-OT15	0 ~ 15	0.5
TN05 E074	5-OT25	0 ~ 25	1
TN05 E075	5-OT50	0 ~ 50	2
TN05 E076	5-OT75	0 ~ 75	2
		Capacity (cN · m)	
TN05 E077	2TM100CN(-S)	10 ~ 100	2
TN05 E078	2TM150CN(-S)	20 ~ 150	2
TN05 E079	2TM200CN(-S)	30 ~ 200	5
TN05 E080	2TM300CN(-S)	30 ~ 300	5
TN05 E081	2TM400CN(-S)	40 ~ 400	5
TN05 E082	2TM500CN(-S)	50 ~ 500	10
TN05 E083	2TM600CN(-S)	60 ~ 600	10
TN05 E084	2TM750CN(-S)	80 ~ 750	10
TN05 E085	3TM10CN(-S)	1 ~ 10	0.2
TN05 E086	3TM15CN(-S)	1.5 ~ 15	0.5
TN05 E087	3TM25CN(-S)	2.5 ~ 25	0.5
TN05 E088	3TM50CN(-S)	5 ~ 50	1
TN05 E089	3TM75CN(-S)	8 ~ 75	2
		Capacity (mN · m)	
TN05 E090	4TM10MN(-S)	1 ~ 10	0.2
TN05 E091	4TM15MN(-S)	1.5 ~ 15	0.5
TN05 E092	4TM25MN(-S)	2.5 ~ 25	0.5
TN05 E093	4TM50MN(-S)	5 ~ 50	1
TN05 E094	4TM75MN(-S)	8 ~ 75	2
		Metric	
		Min ~ Max	English
		kgf · cm	in · lbs
TN05 E095	2TM10-A-S	1 ~ 10	1 ~ 8.6
TN05 E096	2TM15-A-S	2 ~ 15	2 ~ 13
TN05 E097	2TM20-A-S	3 ~ 20	3 ~ 17
TN05 E098	2TM30-A-S	3 ~ 30	3 ~ 26
TN05 E099	2TM40-A-S	4 ~ 40	3 ~ 34
TN05 E0100	2TM50-A-S	5 ~ 50	4 ~ 43
TN05 E0101	2TM60-A-S	6 ~ 60	5 ~ 50
TN05 E0102	2TM75-A-S	8 ~ 75	7 ~ 65
TN05 E0103	3TM1-A-S	0.1 ~ 1	0.1 ~ 0.86
TN05 E0104	3TM1.5-A-S	0.15 ~ 1.5	0.15 ~ 1.3
TN05 E0105	3TM2.5-A-S	0.25 ~ 2.5	0.25 ~ 2.15
TN05 E0106	3TM5-A-S	0.5 ~ 5	0.5 ~ 4.3
TN05 E0107	3TM7.5-A-S	0.8 ~ 7.5	0.8 ~ 6.5
		gf · cm	
TN05 E0108	4TM100-A-S	10 ~ 100	0.1 ~ 0.86
TN05 E0109	4TM150-A-S	15 ~ 150	0.2 ~ 1.3
TN05 E0110	4TM250-A-S	25 ~ 250	2.5 ~ 2.15
TN05 E0111	4TM500-A-S	50 ~ 500	0.5 ~ 4.3
TN05 E0112	4TM750-A-S	80 ~ 750	0.8 ~ 6.5

Note 1: 5TM models are provided without memory pointer.

Note 2: S.I. models have single scale, and -A-S models have dual scale.

Note 3: Applicable for calibration of torque driver.