

GENERAL CATALOG 2023



TORQUE WRENCH

AND ANALYZER

<http://www.bestool-kanon.co.jp>



NAKAMURA MFG.CO.,LTD.
TSURU FACTORY



ISO 9001
JQA-2434



ISO 14001
JQA-EM1367

BESTOOL-KANON

Exploring the frontiers of higher accuracy and reliability.

Every single fastener fulfills an important function maintaining the life of every product. In the transportation or chemical industries, if a fastener loosens from improper tightening, it might cause a serious disaster costing human life. We focus our techniques and wisdom, accumulated over many years, on preventing such occurrences.

Tightening only by hand will cause unexpected disaster. For example,

Traffic accidents

Improper wheel nut tightening resulting in wheels coming off.

Construction accidents

Improper tightening of structural joints resulting in collapsing scaffolding or buildings.

Explosions

Improperly tightened underground gas line joints resulting in leakage and explosion.

Chemical accidents

In chemical plants, improperly tightened joints can release toxic substances.

Torque tools play an important role in preventing such incidents.

Torque tools tighten joints uniformly with adequate force.

In particular they serve:

1. To prevent under-or-over-tightening.
2. To tighten multiple bolts uniformly.
3. To adequately generate the clamping force required for bolted joints.

BESTOOL-KANON

NOTE: Can be calibrated to : Inch pounds, Foot pounds, Newton meters.

PAGE 3

QLK

ADJUSTABLE, RATCHET TORQUE WRENCHES



PAGE 4

GLK/BLK

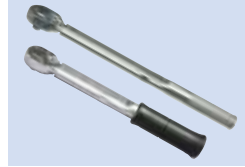
ADJUSTABLE, RATCHET TORQUE WRENCHES WITH RUBBER GRIP



PAGE 5

QSPK

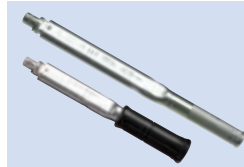
QSPKH, QSPK-A



PAGE 6

SPCK/SPCKH, SPCKA

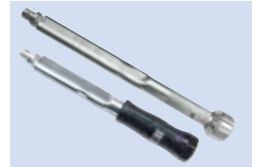
PRE-SET, REPLACEABLE HEAD TORQUE WRENCHES



PAGE 7

LCK/GCK

ADJUSTABLE, REPLACEABLE HEAD TORQUE WRENCHES



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BCK

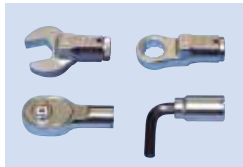
ADJUSTABLE, REPLACEABLE HEAD TORQUE WRENCHES WITH RUBBER GRIP



PAGE 8~10

HEADS

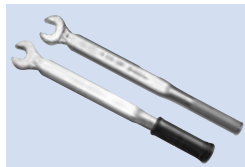
OPTIONAL REPLACEABLE HEADS



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SPK

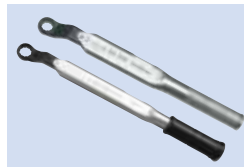
PRE-SET TORQUE WRENCHES



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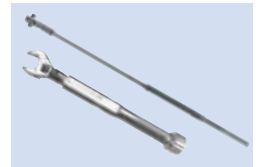
RSPK

PRE-SET, RING TORQUE WRENCHES



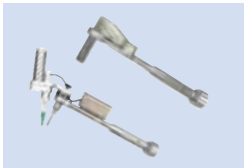
PAGE 13

QLK-LR/HYK



PAGE 14

MQLK MQLK-E



PAGE 15

TCSK-99MA SWPM Series



PAGE 16

ZLK/FK

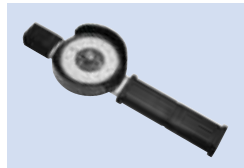
INDICATOR PLATE TORQUE WRENCHES



PAGE 17

TOK-G

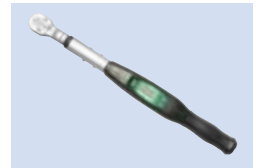
DIAL INDICATOR TORQUE WRENCHES



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DLT-N

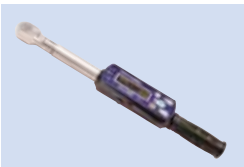
KANON DIGITAL TORQUE WRENCH



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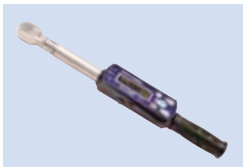
DTC-REV

DATA OUTPUT DIGITAL TORQUE WRENCHES



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DTC-REV-A DTC-REV-UW



PAGE 21

DTC-REV

DIGITAL TORQUE WRENCH WITH CONNECTED DISPLAY



PAGE 21

DTDK-REV

DIGITAL TORQUE DRIVER WITH CONNECTED DISPLAY



PAGE 22

LTDK

CLUTCH RELEASE TORQUE SCREW DRIVERS



PAGE 23

STDK

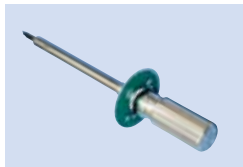
PRE-SET TORQUE DRIVERS



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DPSK

DIAL GAUGE TORQUE DRIVERS



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SGK

TORQUE GAUGES



PAGE 26

KDTA-GT-UC

DIGITAL TORQUE ANALYZERS



PAGE 27

KDTA-GTH-UC

LARGE DIGITAL TORQUE ANALYZERS



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KDTA-GTS-UC

DIGITAL TORQUE ANALYZERS



PAGE 28~29

DRT

KANON TORQUE MEASUREMENT MULTI-INDICATOR



PAGE 30

KDTA-DH

DIGITAL TORQUE ANALYZERS FOR TORQUE DRIVERS



PAGE 30

KDTA-D

DIGITAL TORQUE ANALYZERS FOR ELECTRIC DRIVERS



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TK

TENSION GAUGES



DLT-N KANON DIGITAL TORQUE WRENCH

Digital control for ease of use and handling. Precise control of torque at a low cost.



DLT-N100

Optional Replaceable Heads (Refer to the page 10)



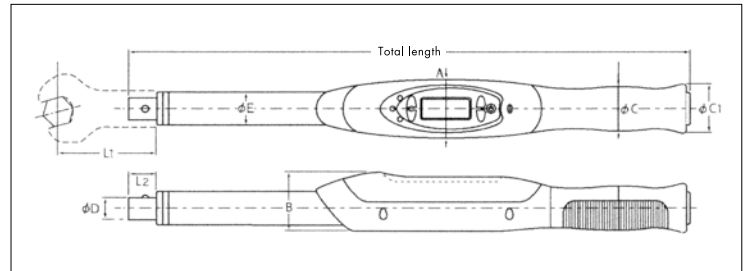
SCK
(Open End head)



RCK
(Ring head)



HCK
(Hex drive head)



FEATURES

- The digital torque wrench DLT-N series measures and digitally displays tightening torque and return torque.
- Preset function: Set the tightening torque before operation, and the LED and a buzzer tell you when the preset torque is reached during operation.
- Data memory function: Connect the torque wrench after use to your PC, and the measurement data is stored in the PC for editing in the Excel format (Windows Excel only).
- Powered by 2 rechargeable nickel-metal hydride (Ni-MH) batteries, which are recharged via the USB port of the torque wrench while they are in the wrench.
- Auto power-off: Saves power to enable use of the unit for a longer time.
- Calendar function: Date and time of tightening operations are stored in the memory.
- Smart and slim design based on a new concept.
- The head is easily replaceable to suit different purposes of use.
- ±1% + 1 digit guaranteed accuracy (±3% + 1 digit for DLT-N50-UC).

Names and Functions of Components

⑧ Side



- ① Power key
Power ON/OFF; clears measured value in PA mode.
- ② Data key
Saves and calls data.
- ③ Mode key
Selects the measurement mode.
- ④ UP key
Sets tightening torque in the preset mode; searches a particular data in the data calling mode; sets calendar and clock.
- ⑤ DOWN key
Sets tightening torque in the preset mode; searches a particular data in the data calling mode; sets calendar and clock.
- ⑥ LED
Flashes to indicate that the preset torque is soon to be reach; an intermittent buzzer sounds. Lights up to indicate that the preset torque has been reached; a continuous buzzer sounds.
- ⑦ LCD display
Displays various data.
- ⑧ USB terminal
For battery charging and data outputting (Windows only).

| Model | Range | Increment | Total length mm | Dimensions (mm) | | | | | Weight kg | Accessory | | | |
|-------------|--------------------|------------|--------------------|-----------------|----|----|------|----|--------------|-----------|------|-----|--------|
| | | | | Head | | | Body | | | | | | |
| | | | | φD1 | L1 | L2 | A | B | φC | φC1 | φE | | |
| DLT-N50-UC | 10.00~50.00 N·m | 0.01 N·m | 411 | 12 | 55 | 15 | 47 | 47 | 37 | 40 | 27.2 | 0.8 | 50QCK |
| | 7.38~36.87 ft·lb | 0.01 ft·lb | | | | | | | | | | | |
| | 88.5~442.5 in·lb | 0.1 in·lb | | | | | | | | | | | |
| | 102.0~509.8 kgf·cm | 0.1 kgf·cm | | | | | | | | | | | |
| DLT-N100-UC | 20.0~100.0 N·m | 0.1 N·m | 413 | 15 | 65 | 17 | 47 | 47 | 37 | 40 | 27.2 | 0.9 | 100QCK |
| | 14.8~73.8 ft·lb | 0.1 ft·lb | | | | | | | | | | | |
| | 177~885 in·lb | 1 in·lb | | | | | | | | | | | |
| | 2.04~10.19 kgf·m | 0.01 kgf·m | | | | | | | | | | | |
| DLT-N200-UC | 40.0~200.0 N·m | 0.1 N·m | 457 | 18 | 80 | 22 | 47 | 47 | 37 | 40 | 27.2 | 1 | 200QCK |
| | 29.6~147.5 ft·lb | 0.1 ft·lb | | | | | | | | | | | |
| | 354~1770 in·lb | 1 in·lb | | | | | | | | | | | |
| | 4.08~20.38 kgf·m | 0.01 kgf·m | | | | | | | | | | | |

[Common Specifications for DLT-N Series]

| Accuracy | Data memory | Measurement mode | Alarm mode | Measurement method | Power source | Use time | Charge time | Auto power off | I/O terminal | Operating temperature range |
|--|-------------|------------------|----------------|-----------------------|---|--|---|------------------|---|-----------------------------|
| ±1% + 1 digit (±3% + 1 digit for DLT-N50) | 999 data | RUN, PA, PC | LED and buzzer | CW/CCW auto switching | Ni-MH rechargeable batteries, size AA, 1.2V; 2 pieces | Approx. 20 hours with fully charged batteries (continuous use) | Max 5 hours. (approx.) for discharge and charge | After 60 seconds | USB terminal (for Windows) for data outputting and battery charging | +5 ~ +35°C |

RUN : Current load value is shown continuously PA : The first peak value is detected and held. PC : Peak-to-peak and auto start

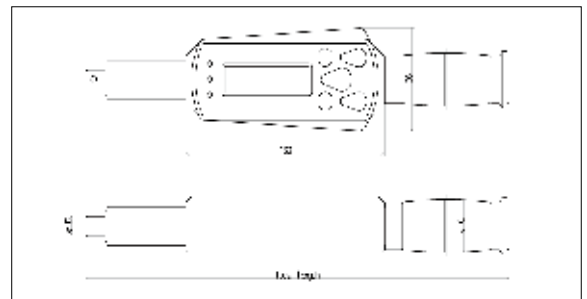
DTC-REV DATA OUTPUT DIGITAL TORQUE WRENCHES

Multi Function dataout put digital torque wrench with OLED display.



FEATURES

- Accuracy : $\pm 1\%$ of indicated value +1 increment, over full range
- Display : OLED
- Measuring mode : ①Peak hold ②Peak to Peak ③Tracking
- Measuring direction: CW / CCW changeover, provided with
: CW / CCW status display
- Power supply : Lithium-ion rechargeable battery 18650
: 100-240V battery charger
- Battery Life : Approx. 20 hours with fully charged
: battery. (continuous operation)
- Auto power-off : Approx. 30 minutes
- Tolerance setting : 1 to 10%. Automatic judgment for pre-set target torque
- Data input : 1000 data can be stored



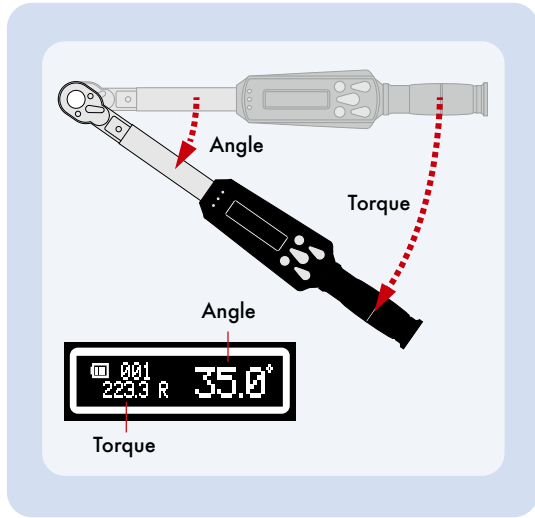
It can be measured tightening torque (CW) and loosening torque (CCW) with digital display.
When the pre-set target torque is achieved, it can be confirmed with change of sounds.
The preset values and tolerance can be set and the pass/fail judgment appears on LED.
Data include the date (year, month, date) and time (hour, min, second) in DTC-REV.
Since the OLED is high visibility, the display is easy to read even in the dark.

| Model | Range(Unit) | Increment | Total length (mm) | φD. | φC | Weight (Kg) | Accessory |
|--------------|------------------|------------|-------------------|-----|----|-------------|-----------|
| DTC-N10REV | 1 ~ 10N·m | 0.01N·m | 314 | 10 | 35 | 0.8 | 12 QCK |
| DTC-N50REV | 5 ~ 50N·m | 0.01N·m | 342 | 12 | 35 | 0.9 | 50 QCK |
| DTC-N100REV | 10 ~ 100N·m | 0.1N·m | 386 | 15 | 35 | 1.1 | 100 QCK |
| DTC-N200REV | 20 ~ 200N·m | 0.1N·m | 404 | 18 | 35 | 1.25 | 200 QCK |
| DTC-N300REV | 30 ~ 300N·m | 0.1N·m | 535 | 22 | 35 | 1.8 | 280 QCK-A |
| DTC-N500REV | 50 ~ 500N·m | 0.1N·m | 1063 | 30 | 34 | 4.2 | 700 QCK |
| DTC-N1000REV | 100 ~ 1000N·m | 1N·m | 1417 | 34 | 34 | 7.6 | 1000 QCK |
| DTC-100REV | 10 ~ 100kgf·cm | 0.1kgf·cm | 314 | 10 | 35 | 0.8 | 12 QCK |
| DTC-500REV | 50 ~ 500kgf·cm | 0.1kgf·cm | 342 | 12 | 35 | 0.9 | 50 QCK |
| DTC-1000REV | 100 ~ 1000kgf·cm | 1kgf·cm | 386 | 15 | 35 | 1.1 | 100 QCK |
| DTC-2000REV | 200 ~ 2000kgf·cm | 1kgf·cm | 404 | 18 | 35 | 1.25 | 200 QCK |
| DTC-3000REV | 3 ~ 30kgf·m | 0.01kgf·m | 535 | 22 | 35 | 1.8 | 280 QCK-A |
| DTC-5000REV | 5 ~ 50kgf·m | 0.01kgf·m | 1063 | 30 | 34 | 4.2 | 700 QCK |
| DTC-10000REV | 10 ~ 100kgf·m | 0.1kgf·m | 1417 | 34 | 34 | 7.6 | 1000 QCK |
| DTC-PI80REV | 8 ~ 80lbf·in | 0.01lbf·in | 314 | 10 | 35 | 0.8 | 12 QCK |
| DTC-PI400REV | 40 ~ 400lbf·in | 0.1lbf·in | 342 | 12 | 35 | 0.9 | 50 QCK |
| DTC-PI800REV | 80 ~ 800lbf·in | 0.1lbf·in | 386 | 15 | 35 | 1.1 | 100 QCK |
| DTC-PF100REV | 10 ~ 100lbf·ft | 0.1lbf·ft | 404 | 18 | 35 | 1.25 | 200 QCK |
| DTC-PF200REV | 20 ~ 200lbf·ft | 0.1lbf·ft | 535 | 22 | 35 | 1.8 | 280 QCK-A |
| DTC-PF400REV | 40 ~ 400lbf·ft | 0.1lbf·ft | 1063 | 30 | 34 | 4.2 | 700 QCK |
| DTC-PF800REV | 80 ~ 800lbf·ft | 1lbf·ft | 1417 | 34 | 34 | 7.6 | 1000 QCK |

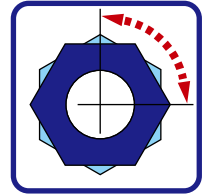
Angle function is option: DTC-REV-A
Bluetooth function is option: DTC-REV-B (Certified in USA, Canada, Europe, Korea, Taiwan)

DTC-REV-A DATA OUTPUT DIGITAL TORQUE WRENCHES

Multi-function data output digital torque wrench with OLED display and with angle function.



| Model | Range(Unit) | Increment | Accessory |
|----------------|------------------|------------|-----------|
| DTC-N10REV-A | 1 ~ 10N·m | 0.01N·m | 12 QCK |
| DTC-N50REV-A | 5 ~ 50N·m | 0.01N·m | 50 QCK |
| DTC-N100REV-A | 10 ~ 100N·m | 0.1N·m | 100 QCK |
| DTC-N200REV-A | 20 ~ 200N·m | 0.1N·m | 200 QCK |
| DTC-N300REV-A | 30 ~ 300N·m | 0.1N·m | 280 QCK-A |
| DTC-N500REV-A | 50 ~ 500N·m | 0.1N·m | 700 QCK |
| DTC-N1000REV-A | 100 ~ 1000N·m | 1N·m | 1000 QCK |
| DTC-100REV-A | 10 ~ 100kgf·cm | 0.1kgf·cm | 12 QCK |
| DTC-500REV-A | 50 ~ 500kgf·cm | 0.1kgf·cm | 50 QCK |
| DTC-1000REV-A | 100 ~ 1000kgf·cm | 1kgf·cm | 100 QCK |
| DTC-2000REV-A | 200 ~ 2000kgf·cm | 1kgf·cm | 200 QCK |
| DTC-3000REV-A | 3 ~ 30kgf·m | 0.01kgf·m | 280 QCK-A |
| DTC-5000REV-A | 5 ~ 50kgf·m | 0.01kgf·m | 700 QCK |
| DTC-10000REV-A | 10 ~ 100kgf·m | 0.1kgf·m | 1000 QCK |
| DTC-PI80REV-A | 8 ~ 80lbf·in | 0.01lbf·in | 12 QCK |
| DTC-PI400REV-A | 40 ~ 400lbf·in | 0.1lbf·in | 50 QCK |
| DTC-PI800REV-A | 80 ~ 800lbf·in | 0.1lbf·in | 100 QCK |
| DTC-PF100REV-A | 10 ~ 100lbf·ft | 0.1lbf·ft | 200 QCK |
| DTC-PF200REV-A | 20 ~ 200lbf·ft | 0.1lbf·ft | 280 QCK-A |
| DTC-PF400REV-A | 40 ~ 400lbf·ft | 0.1lbf·ft | 700 QCK |
| DTC-PF800REV-A | 80 ~ 800lbf·ft | 1lbf·ft | 1000 QCK |



The tightening torque is displayed as an angle.
The torque and rotation angle are measured and displayed at the same time from the seated tighten screw as started point.

Dimensions of DTC-REV-A are same as DTC-REV.

DTC-REV-UW DATA OUTPUT DIGITAL TORQUE WRENCHES

Multi-function data output digital torque wrench connectable to the optional output device.



The measured data can be output to EXCEL on PC passed by U-WAVE without software.

OPTION

Mitutoyo
U-WAVE-TCB (264-625)



Mitutoyo
02AZD790E
cable



| Model | Range(Unit) | Increment | Accessory |
|-----------------|------------------|------------|-----------|
| DTC-N10REV-UW | 1 ~ 10N·m | 0.01N·m | 12 QCK |
| DTC-N50REV-UW | 5 ~ 50N·m | 0.01N·m | 50 QCK |
| DTC-N100REV-UW | 10 ~ 100N·m | 0.1N·m | 100 QCK |
| DTC-N200REV-UW | 20 ~ 200N·m | 0.1N·m | 200 QCK |
| DTC-N300REV-UW | 30 ~ 300N·m | 0.1N·m | 280 QCK-A |
| DTC-N500REV-UW | 50 ~ 500N·m | 0.1N·m | 700 QCK |
| DTC-N1000REV-UW | 100 ~ 1000N·m | 1N·m | 1000 QCK |
| DTC-100REV-UW | 10 ~ 100kgf·cm | 0.1kgf·cm | 12 QCK |
| DTC-500REV-UW | 50 ~ 500kgf·cm | 0.1kgf·cm | 50 QCK |
| DTC-1000REV-UW | 100 ~ 1000kgf·cm | 1kgf·cm | 100 QCK |
| DTC-2000REV-UW | 200 ~ 2000kgf·cm | 1kgf·cm | 200 QCK |
| DTC-3000REV-UW | 3 ~ 30kgf·m | 0.01kgf·m | 280 QCK-A |
| DTC-5000REV-UW | 5 ~ 50kgf·m | 0.01kgf·m | 700 QCK |
| DTC-10000REV-UW | 10 ~ 100kgf·m | 0.1kgf·m | 1000 QCK |
| DTC-PI80REV-UW | 8 ~ 80lbf·in | 0.01lbf·in | 12 QCK |
| DTC-PI400REV-UW | 40 ~ 400lbf·in | 0.1lbf·in | 50 QCK |
| DTC-PI800REV-UW | 80 ~ 800lbf·in | 0.1lbf·in | 100 QCK |
| DTC-PF100REV-UW | 10 ~ 100lbf·ft | 0.1lbf·ft | 200 QCK |
| DTC-PF200REV-UW | 20 ~ 200lbf·ft | 0.1lbf·ft | 280 QCK-A |
| DTC-PF400REV-UW | 40 ~ 400lbf·ft | 0.1lbf·ft | 700 QCK |
| DTC-PF800REV-UW | 80 ~ 800lbf·ft | 1lbf·ft | 1000 QCK |

Dimensions of DTC-REV-UW are same as DTC-REV.

DTC-REV

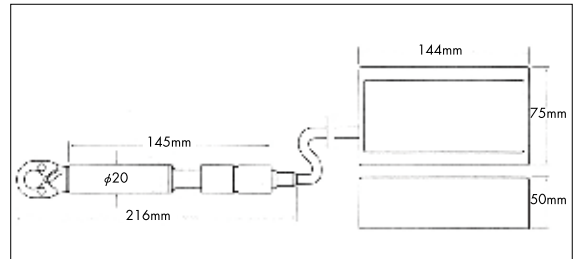
Separate type

DATA OUTPUT DIGITAL TORQUE WRENCH

DATA OUTPUT DIGITAL TORQUE WRENCH

FEATURES

- Accuracy : $\pm 1\%$ of indicated value +1 increment, over full range
- Display : OLED
- Measuring mode : ①Peak hold ②Peak to Peak ③Tracking
- Measuring direction : CW / CCW changeover, provided with CW / CCW status display
- Power supply : Lithium-ion rechargeable battery 18650
100-240V battery charger
- Battery Life : Approx. 20 hours with fully charged battery. (continuous operation)
- Auto power-off : Approx. 30 minutes
- Tolerance setting : 1 to 10%. Automatic judgment for pre-set target torque
- Data input : 1000 data can be stored



| Model | Range (Unit) | Increment | Weight (kg) | Accessory |
|--------------|--------------|-------------|-------------|-----------|
| DTC-CN200REV | 20~200 cN·m | 0.1 cN·m | 1 | 12QCK |
| DTC-CN500REV | 50~500 cN·m | 0.1 cN·m | 1 | 12QCK |
| DTC-20REV | 2~20 Kgf·cm | 0.01 Kgf·cm | 1 | 12QCK |
| DTC-50REV | 5~50 Kgf·cm | 0.01 Kgf·cm | 1 | 12QCK |
| DTC-PI40REV | 4~40 lbf·in | 0.01 lbf·in | 1 | 12QCK |

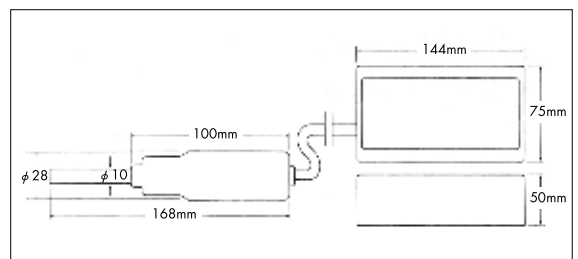
DTDK-REV

DATA OUTPUT DIGITAL TORQUE DRIVER

Multi function data out put digital torque driver with OLED display.

FEATURES

- Accuracy : $\pm 1\%$ of indicated value +1 increment, over full range
- Display : OLED
- Measuring mode : ①Peak hold ②Peak to Peak ③Tracking
- Measuring direction : CW / CCW changeover, provided with CW / CCW status display
- Power supply : Lithium-ion rechargeable battery 18650
100-240V battery charger
- Battery Life : Approx. 20 hours with fully charged battery. (continuous operation)
- Auto power-off : Approx. 30 minutes
- Tolerance setting : 1 to 10%. Automatic judgment for pre-set target torque
- Data input : 1000 data can be stored



| Model | Range (Unit) | Increment | Weight (kg) | Accessory |
|---------------|--------------|-------------|-------------|-----------------------------------|
| | | | | Standard bits Phillips SB type |
| DTDK-CN200REV | 20~200 cN·m | 0.1 cN·m | 1 | No.0, No.1 |
| DTDK-CN500REV | 50~500 cN·m | 0.1 cN·m | 1 | No.1, No.2 |
| DTDK-20REV | 2~20 Kgf·cm | 0.01 Kgf·cm | 1 | No.0, No.1 |
| DTDK-50REV | 5~50 Kgf·cm | 0.01 Kgf·cm | 1 | No.1, No.2 |
| DTDK-PI40REV | 4~40 lbf·in | 0.01 lbf·in | 1 | No.1, No.2 |