

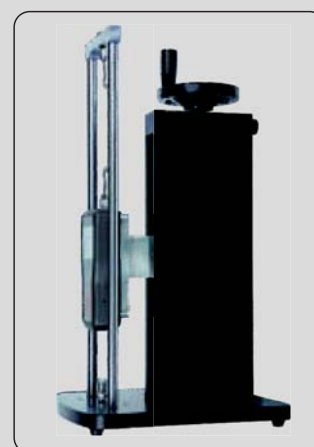
## DIGITAL FORCE GAUGE

## SERIES DF



DF200

- ◆ For pull and push measurement
- ◆ Adjusting the display direction automatically
- ◆ With overload protection
- ◆ Peak and real-time working mode
- ◆ Unit: mN, N, gf, kgf, ozf, lbf
- ◆ Memory: 1000
- ◆ Power off automatically
- ◆ Low and high limits setting with judgement
- ◆ With software, can show the force graph



Stand(Code: FS1000, Optional)

### SPECIFICATION

| Code       | DF10                               | DF20   | DF50   | DF100 | DF200 | DF500 | DF1000 |
|------------|------------------------------------|--------|--------|-------|-------|-------|--------|
| Range      | 10N                                | 20N    | 50N    | 100N  | 200N  | 500N  | 1000N  |
| Resolution | 0.001N                             | 0.005N | 0.005N | 0.05N | 0.05N | 0.01N | 0.1N   |
| Accuracy   | $\pm 0.2\% \times FS$ (full scale) |        |        |       |       |       |        |
| Power      | rechargeable battery               |        |        |       |       |       |        |
| Dimension  | 153x73x34mm                        |        |        |       |       |       |        |
| Weight     | 700g                               |        |        |       |       |       |        |

### INCLUDED ACCESSORIES

|                  |      |
|------------------|------|
| Main unit        | 1pc  |
| Charger          | 1pc  |
| Software         | 1pc  |
| Push/pull clamps | 6pcs |

### OPTIONAL ACCESSORIES

|                  |        |
|------------------|--------|
| Wireless printer | PR100  |
| Stand            | FS1000 |



## SERIES DFXXE

## DIGITAL FORCE GAUGE

- ◆ For pull and push measurement
- ◆ Adjusting the display direction automatically
- ◆ With overload protection
- ◆ Peak and real-time mode
- ◆ Unit: N, gf, kgf, ozf, lbf
- ◆ Memory: 500
- ◆ Power off automatically



Stand(Code: **FS1000**, Optional)



**DF1000E**

### SPECIFICATION

| SPECIFICATION        |                         |       |        |        |         |
|----------------------|-------------------------|-------|--------|--------|---------|
| Code                 | DF10E                   | DF50E | DF100E | DF500E | DF1000E |
| Range                | 10N                     | 50N   | 100N   | 500N   | 1000N   |
| Resolution           | 0.01N                   | 0.01N | 0.1N   | 0.1N   | 1N      |
| Accuracy             | ±0.3% x FS (full scale) |       |        |        |         |
| Power                | rechargeable battery    |       |        |        |         |
| Dimension            | 150x72x33mm             |       |        |        |         |
| Weight               | 450g                    |       |        |        |         |
| INCLUDED ACCESSORIES |                         |       |        |        |         |
| Main unit            | 1pc                     |       |        |        |         |
| Charger              | 1pc                     |       |        |        |         |
| Software             | 1pc                     |       |        |        |         |
| Push/pull clamps     | 6pcs                    |       |        |        |         |
| OPTIONAL ACCESSORIES |                         |       |        |        |         |
| Wireless printer     | PR100                   |       |        |        |         |
| Stand                | FS1000                  |       |        |        |         |

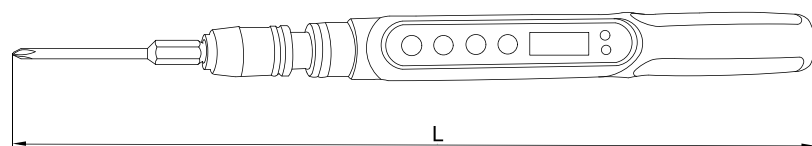


## DIGITAL TORQUE SCREWDRIVER

## SERIES TQ



TQ50CN



- ◆ Clockwise or anti-clockwise operation
- ◆ Peak and track working mode
- ◆ With audible and visible alarm when the value is closed to setting target
- ◆ Supplied with calibration certificate

### SPECIFICATION

| Code                              | TQ50CN        | TQ200CN    | TQ400CN    |
|-----------------------------------|---------------|------------|------------|
| Range                             | 10~50cN.m     | 40~200cN.m | 80~400cN.m |
| Clockwise operation accuracy      | ±3%           | ±2.5%      | ±2.5%      |
| Anti-clockwise operation accuracy | ±4%           | ±3.5%      | ±3.5%      |
| Resolution                        | 0.1cN.m       | 0.1cN.m    | 0.1cN.m    |
| Size of shank                     | 1/4"          | 1/4"       | 1/4"       |
| Length (L)                        | 258mm         | 268mm      | 268mm      |
| Weight                            | 200g          | 200g       | 200g       |
| Power                             | 1xAAA battery |            |            |



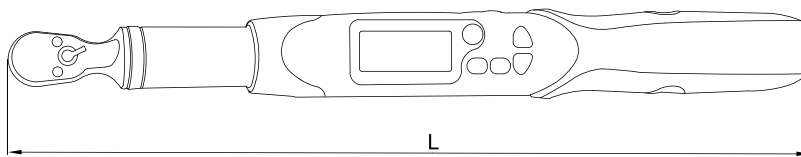
## SERIES TW

## DIGITAL TORQUE WRENCH

- ◆ Clockwise or anti-clockwise operation
- ◆ Unit: N.m, in.lb, ft.lb, kg.cm
- ◆ Peak or real-time working mode
- ◆ Automatic power off
- ◆ With calibration certificate



TW30



### SPECIFICATION

| Code                              | TW12          | TW20    | TW30    | TW135           | TW200     |
|-----------------------------------|---------------|---------|---------|-----------------|-----------|
| Range                             | 2.4~12N.m     | 4~20N.m | 6~30N.m | 27~135N.m       | 40~200N.m |
| Resolution                        | 0.01N.m       | 0.01N.m | 0.1N.m  | 0.1N.m          | 1N.m      |
| Clockwise operation accuracy      | ±3%           | ±3%     | ±2%     | ±2%             | ±2%       |
| Anti-clockwise operation accuracy | ±4%           | ±4%     | ±3%     | ±3%             | ±3%       |
| Size of square drive              | 1/4"          | 1/4"    | 1/4"    | 3/8"            | 1/2"      |
| Length(L)                         | 260mm         | 260mm   | 390mm   | 415mm           | 530mm     |
| Weight                            | 430g          | 430g    | 830g    | 950g            | 1400g     |
| Power                             | 1xAAA battery |         |         | 2xAAA batteries |           |

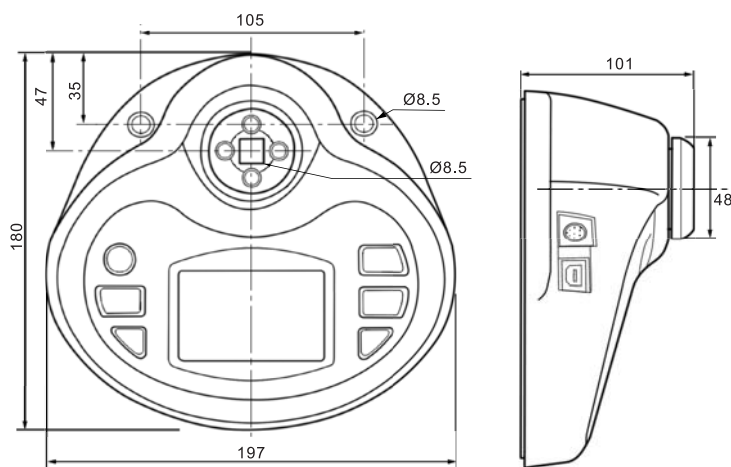


## DIGITAL TORQUE METER

## SERIES TTB



TTB10



- ◆ For torque wrench and torque screwdriver calibration
- ◆ Peak, preset and real-time working mode
- ◆ Unit: N.m, N.cm, kgf.cm, lbf.cm, lbf.in
- ◆ Memory: 1500
- ◆ Power off automatically
- ◆ With software, can show the torque graph

### SPECIFICATION

| Code                 | TTB5                       | TTB10   | TTB50                      | TTB100  |
|----------------------|----------------------------|---------|----------------------------|---------|
| Range                | 5N.m                       | 10N.m   | 50N.m                      | 100cN.m |
| Accuracy             | ±0.3% FS (full scale)      |         |                            |         |
| Resolution           | 0.001N.m                   | 0.01N.m | 0.01N.m                    | 0.1N.m  |
| Size of square drive | 1/2" , with 1/4" convertor |         | 1/2" , with 3/8" convertor |         |
| Output               | USB and RS232              |         |                            |         |
| Power                | rechargeable battery       |         |                            |         |
| Weight               | 1.5kg                      |         |                            |         |

### INCLUDED ACCESSORY

|                     |     |
|---------------------|-----|
| Main unit           | 1pc |
| Charger             | 1pc |
| Software with cable | 1pc |
| Convertor           | 1pc |
| Buffer connector    | 1pc |

### OPTIONAL ACCESSORIES

|                  |       |
|------------------|-------|
| Wireless printer | PR100 |
|------------------|-------|

