

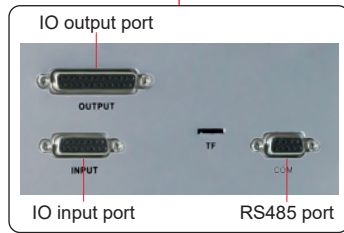
INTELLIGENT ELECTRIC TIGHTENING WRENCHES (CURRENT CONTROL)

ATTENTION: TORQUE TESTERS (OPTIONAL) ARE NEEDED FOR CALIBRATION BEFORE USE

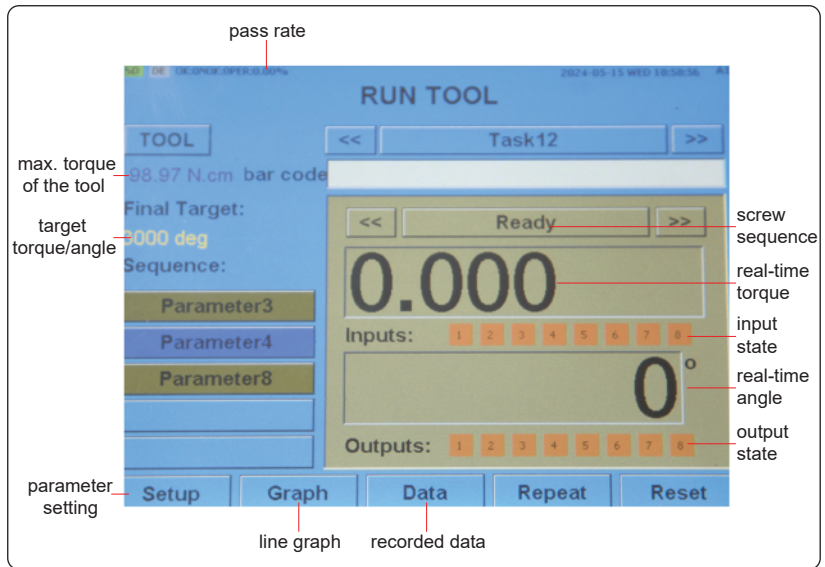
ATTENTION: USED WITH BALANCE ARMS OR MOUNTED ON MACHINES

ATTENTION: SPEED SHOULD BE BELOW 100RPM WHEN TIGHTENING IS ENDED

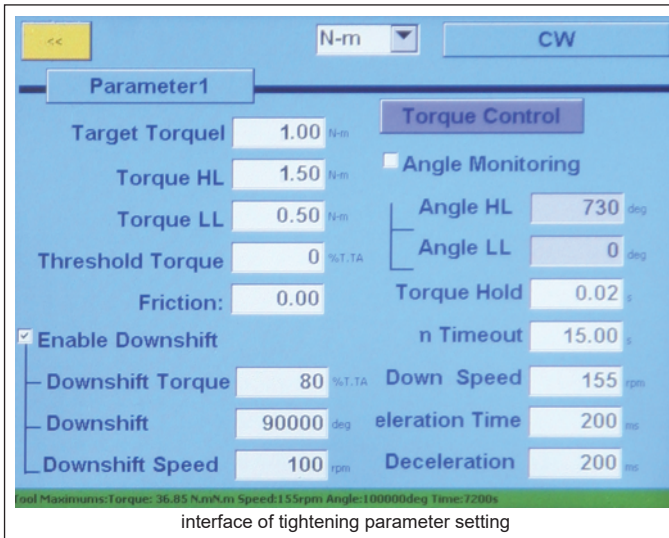
controller (included)



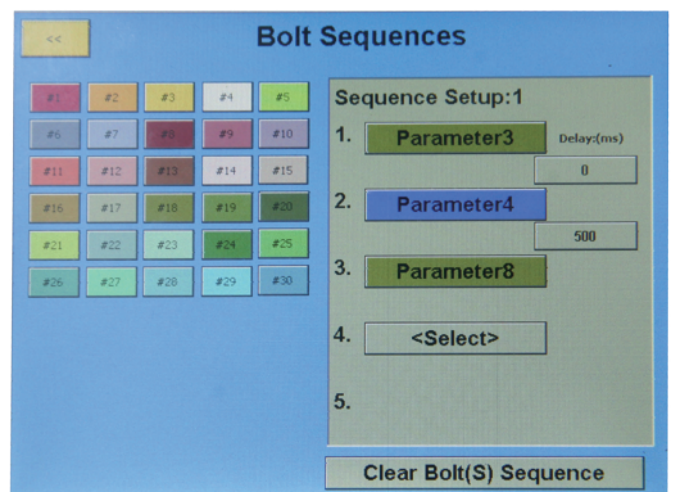
- Highly efficient heat dissipation setting, low noise handling and long service life
- 90W permanent magnet synchronous servo motor and high-precision reducer power transmission mechanism
- High-precision angle sensor (resolution 1°) and built-in servo drive
- Provide precise control of torque, angle, speed and etc.
- 12 task modes, each task can be configured with 8 different parameters
- Provide graphical tool for process optimization and diagnostic
- Provide programmable IO for process control and RS485 communication for data transmission, can connect to MES system
- Locked data is stored in EXCEL on the hard disk for 600 days
- Controller is equipped with physical buttons for assisted operation and LED light and buzzer for dual alarms



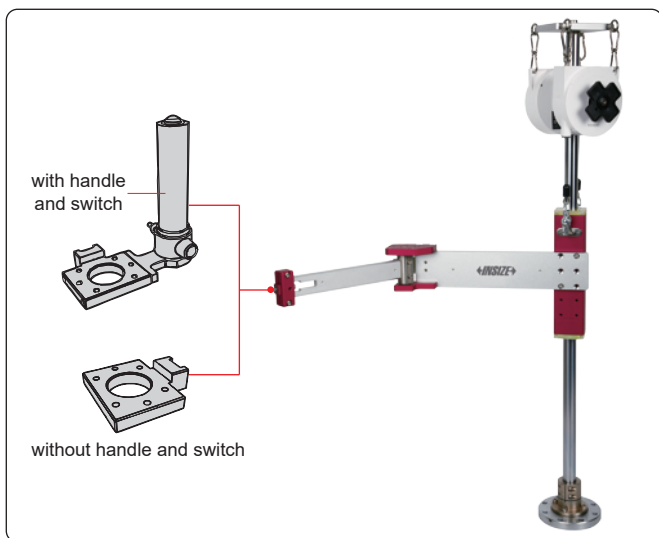
main operation interface



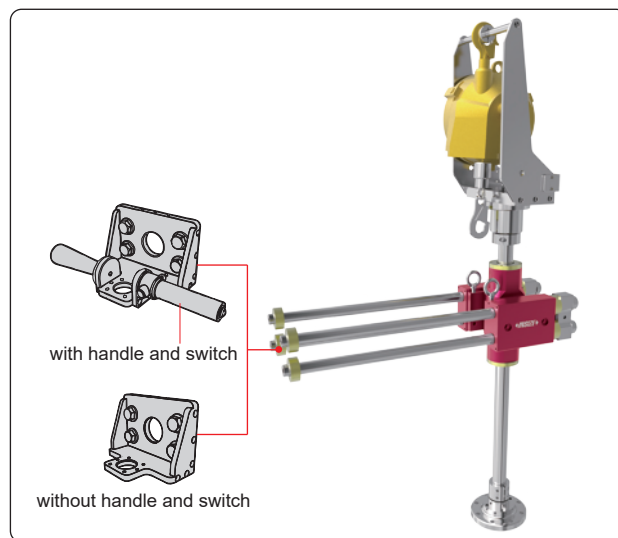
interface of tightening parameter setting



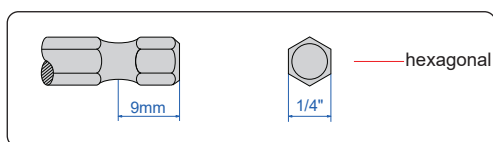
interface of screw sequence matching parameters



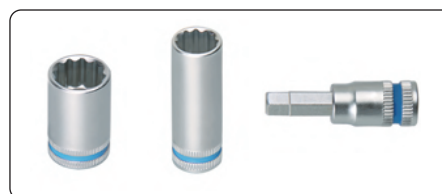
light load balance arm (optional)



heavy load balance arm (optional)



hexagonal screwdriver head (optional)
(can be customized: cross, flathead, hexagonal, star-shaped)



square wrench socket (optional)

SPECIFICATION

| Code | HES-L700A | HES-L120A | HES-L230A | HES-L420A | HES-L120B | HES-L230B | HES-L420B | |
|-----------------------------------|---|-----------------|-----------------|--------------|-------------------|---------------|--------------|-------------|
| Torque range | 2.00~7.00N.m | 4.00~12.0N.m | 7.00~23.0N.m | 12.0~42.0N.m | 4.00~12.0N.m | 7.00~23.0N.m | 12.0~42.0N.m | |
| Type | type A | | | | type B | | | |
| Max. speed | 900rpm | 400rpm | 220rpm | 130rpm | 400rpm | 220rpm | 130rpm | |
| Applicable screw outside diameter | 4.0~7.0mm | 5.5~8.0mm | 6.0~10.0mm | 7.0~12.0mm | 5.5~8.0mm | 6.0~10.0mm | 7.0~12.0mm | |
| Applicable wrench head | 1/4" hexagonal | | 3/8" square | 1/2" square | 1/4" square | 3/8" square | 1/2" square | |
| Activation mode | additional start switch is required | | | | with start switch | | | |
| Torque accuracy | ±5% at 30%~80% of maximum output torque, ±8% in other range | | | | | | | |
| Display operation interface | touch screen menu operation mode, 3 function buttons+3 LED indicators | | | | | | | |
| Power supply | AC 200~230V±10%, 50/60HZ | | | | | | | |
| Dimension | electric wrench | 266.5×73×42.5mm | 283.5×73×42.5mm | 333×58×58mm | 340×58×58mm | 465×73×47.5mm | 494×58×58mm | 501×58×58mm |
| | controller | 235×160×345mm | | | | | | |
| Weight | electric wrench | 1100g | 1100g | 1920g | 1980g | 2600g | 2600g | 2600g |
| | controller | 5500g | | | | | | |

STANDARD DELIVERY

| | |
|----------------------------|-----|
| Electric tightening wrench | 1pc |
| Controller | 1pc |
| USB transmission cable | 1pc |

OPTIONAL ACCESSORY

| | |
|--|---|
| 1/4" hexagonal screwdriver head | |
| Square wrench socket | IST-S series |
| Light load balance arm (with handle and switch) | HES-L-X1 (suitable for HES-L700A, HES-L120A, HES-L230A) |
| Heavy load balance arm (with handle and switch) | HES-L-X2 (suitable for HES-L420A) |
| Light load balance arm (without handle and switch) | HES-L-X3 (suitable for HES-L120B, HES-L230B) |
| Heavy load balance arm (without handle and switch) | HES-L-X4 (suitable for HES-L420B) |
| QR code scanner | 7328-SCAN |
| Static torque sensor (for calibration before use) | IST-NJ series |
| Handheld torque indicator (for calibration before use) | ISF-DG4 (necessary for IST-NJ series) |
| Buffer (for calibration before use) | IST-NJ-BF series |