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

INTELLIGENT ELECTRIC TIGHTENING WRENCHES (CURRENT CONTROL)

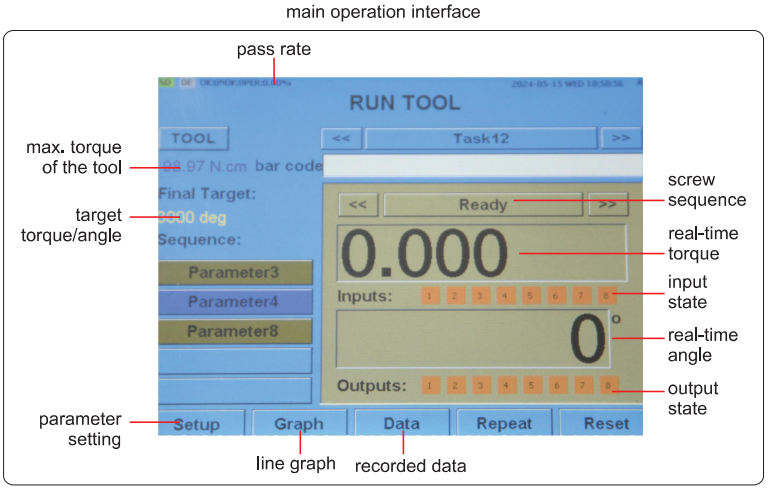


HES-L230A
type A

HES-L230B
type B

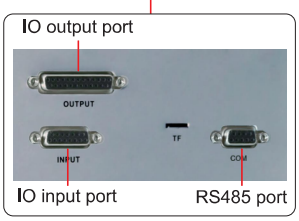
- Highly efficient heat dissipation setting, low noise handling and long service life
- 90W permanent magnet synchronous servo motor and high-precision reducer power transmission mechanism
- High-precision angle sensor (resolution 1°) and built-in servo drive
- Provide precise control of torque, angle, 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

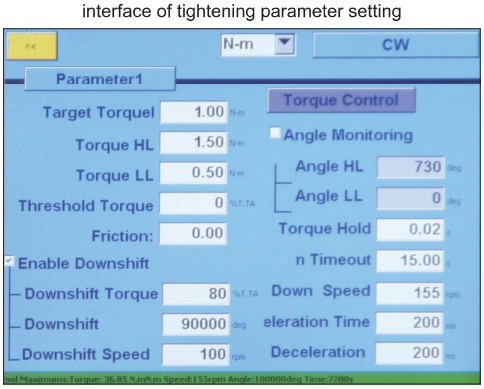


controller (included)

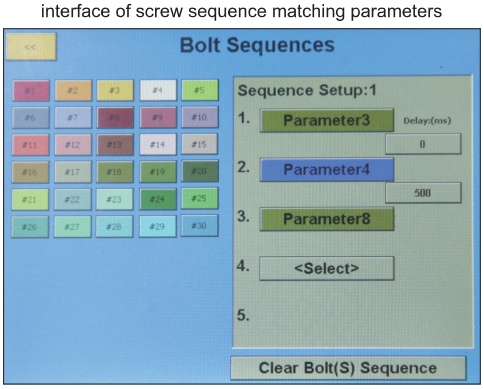


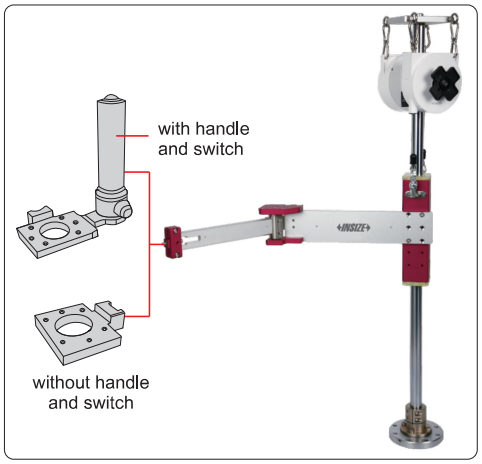


interface of tightening parameter setting

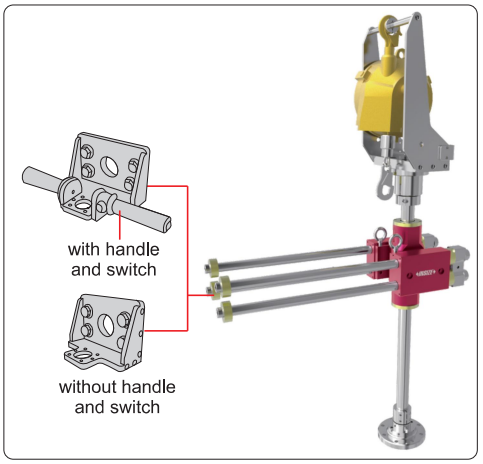


interface of screw sequence matching parameters

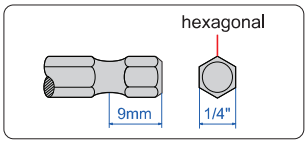




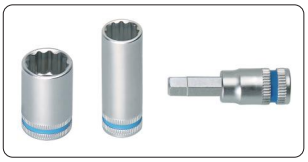
light load balance arm (**optional**)



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	1 pc
Controller	1 pc
USB transmission cable	1 pc

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