

IE-Q50
Motorized Crimp Pull Force Tester
Operator Manual

2018-11-23
V2.0



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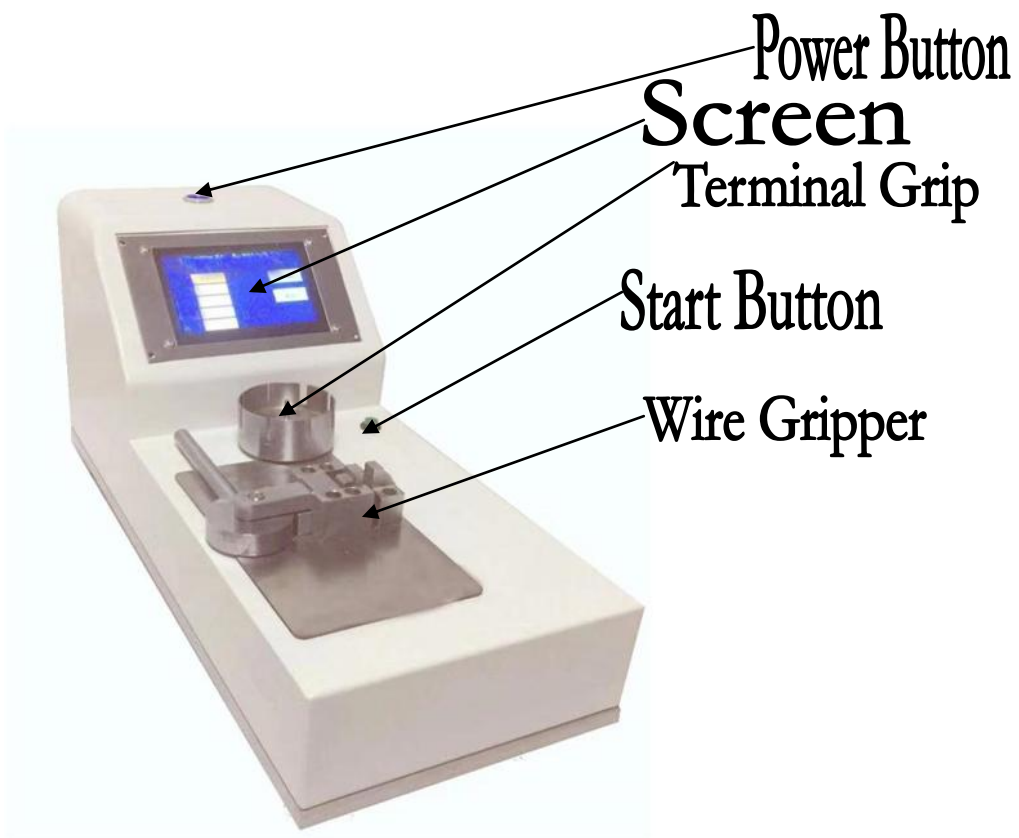
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A. Safety Regulations

Thank you to purchasing IE-Q50 motorized wire crimp pull force tester. The machine operator is responsible for ensuring that every employee who uses the machine has received training in accordance with these operating instructions. We have fully considered the safety factors when designing the machine, but the operator still should read through the manual and understand the content. Special attention should be given during the whole work progress.

1. Reliable earth wire is required to avoid creepage and electroshock.
2. Box cover and protection covers are not allowed to be unloaded during the processing. When unload the covers for maintenance, the operator have to switch off the power supply.
3. To avoid any personal injury and break down of machine, the operator should not put any body regions or tools into the movable parts.

I .Handling Components



II. Technical Parameters

Model	IE-Q50
Dimensions	L430*W180*H210(mm)
Weight	10Kg
Power Supply	AC220V50HZ
Rated Power	0.1KW
Application	Wire crimp pull out force testing
Test Range	≤50KG
Test Accuracy	±0.02KG

III. Operation

1) Assembly

- a) Put the machine on the work bench.
- b) Connect 220V power supply.

2) Initial operation

- a) Turn on the machine.
- b) Reset the machine by pressing "reset" in screen. (if hear some noise during reset, turn it off and check the machine) (ensure the machine load no wire)

3) Functions description

- a) “Unit” Switch between KG.F and N
- b) “Set Load” Stop stressing when the force achieve this number

- c) “Hold” The holding time at upper limit force.
- d) “Max” Record the peak force during one testing
- e) “Speed” Speed of motor from 1 to 10, 1 is low speed, 10 is the highest speed
- f) “Start” Start testing
- g) “Reset” Reset the machine (always do it when turn on the machine)

4) Operation

- a) Turn on the machine
- b) Reset the machine, make sure the machine load no wire
- c) Set upper limit force (two ways)
 - a) Press the input frame to input wanted number directly
 - b) Press "Set Load" to choose corresponding parameters from built-in list. If there is no needed parameters, the operator can program their own parameters in 3rd and 4th pages, the programs will be saved for future use.
- d) Set Holding time.
- e) Press Start button to start testing.
- f) The testing result will be displayed in screen (PASS or FAIL)

IV. Error Message

Error	Reasons	Solution
Fail to Turn on	1: power connection 2: fuse 3: main board broke	1: insert power cable 2: change fuse 3: change main board
Fail to Reset	1: inductive switch 2: motor	1: change inductor 2: change motor
Dark Screen	1: fuse 2: screen connection	1: change fuse 2: insert screen plug

V. Maintenance

- a) Clean the machine with a brush and a cloth.
- b) Keep the workbench to be clear.

VI. Accessories

- 1) Operator Manual x 1
- 2) Power Cable x 1 piece
- 3) Hex Wrench x 1 set