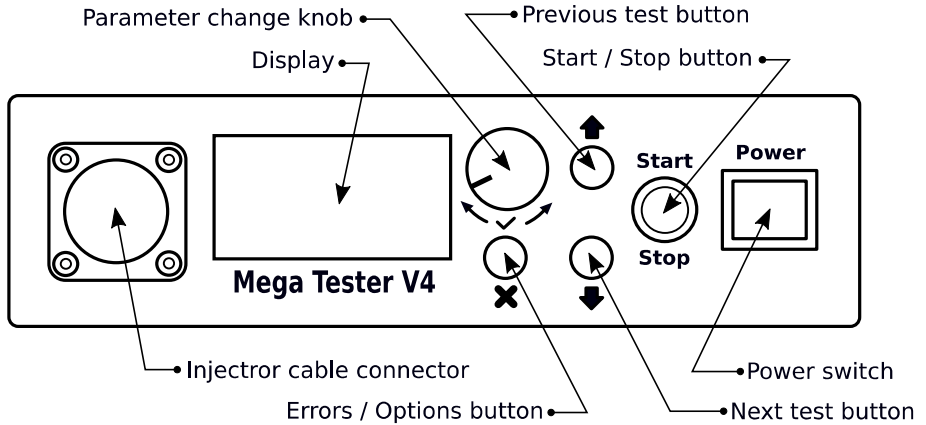
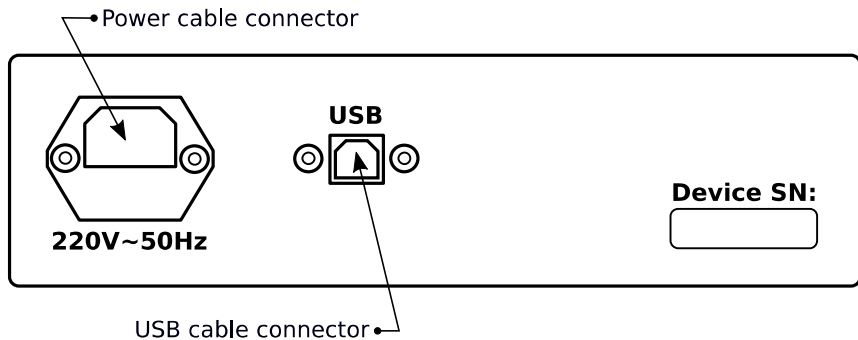


Brief Instruction

Front view



Rear view



Warning

Do not connect or disconnect injector while test is in progress.

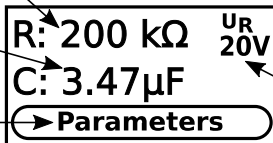
Brief Instruction

RC test

Piezoactuator resistance

Piezoactuator
initial capacitance

Test name



1. Rotate the knob to set test voltage.
2. Press "Start/Stop" button to start.
3. Wait for test finish.

• Voltage to apply for resistance measurement (rotate the knob to change)

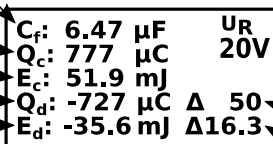
Total capacitance when charged to U_R

Charge at U_R

Charge energy

Discharge

Discharge energy



4. Press the knob to see additional parameters.
5. Press the knob again to return back to the main screen.

• Charge difference
• Energy difference

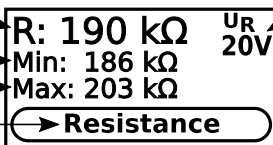
Continuous resistance test

Resistance now

Resistance minimum

Resistance maximum

Test name



• Voltage to apply for resistance measurement (rotate the knob to change)

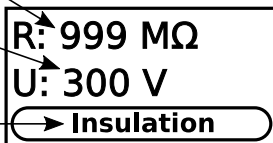
1. Rotate the knob to set test voltage.
2. Press "Start/Stop" button to start.
3. Wait for some time.
4. Change voltage during the test if needed.
5. Press "Start/Stop" button to stop.

Insulation test

Piezoactuator insulation
resistance

Test voltage
(rotate the knob to change)

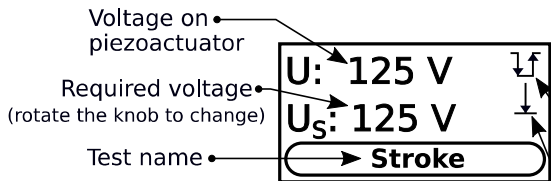
Test name



1. Connect crocodile clips to the injector body.
2. Rotate the knob to set test voltage.
3. Press "Start/Stop" button to start.
4. Wait for test finish.

Brief Instruction

Stroke test

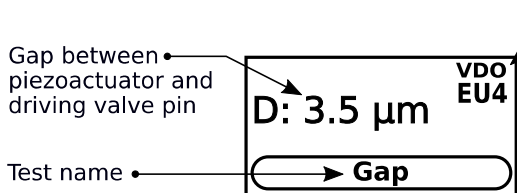


1. Press "Start/Stop" button to start.
2. Set required voltage.
3. Wait for steady voltage output.
4. Measure actuator stroke.
5. Repeat steps 2 through 4 if required.
6. Press "Start/Stop" button to stop.

• Press the knob to quickly switch required voltage between standard values of 0V, 50V and 120V.

- During the test press **↑** button to start/stop pulse mode (for airflow test)
- During the test hold **↓** button to zero output

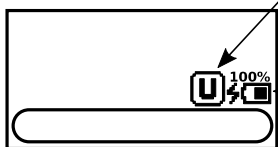
Gap test



1. Press "Start/Stop" button to start.
2. Observe gap value.
3. Rotate actuator nut until required gap is set.
4. Press "Start/Stop" button to stop.

Status indication

- Wrong cable is connected
- Device applies voltage to actuator less than required (too low R, short circuit)
- Electrical breakdown is detected (if breakdown protection is enabled in options)
- Multiple errors
- Battery powered
 - Mains powered, battery is charging
 - Mains powered, battery is fully charged



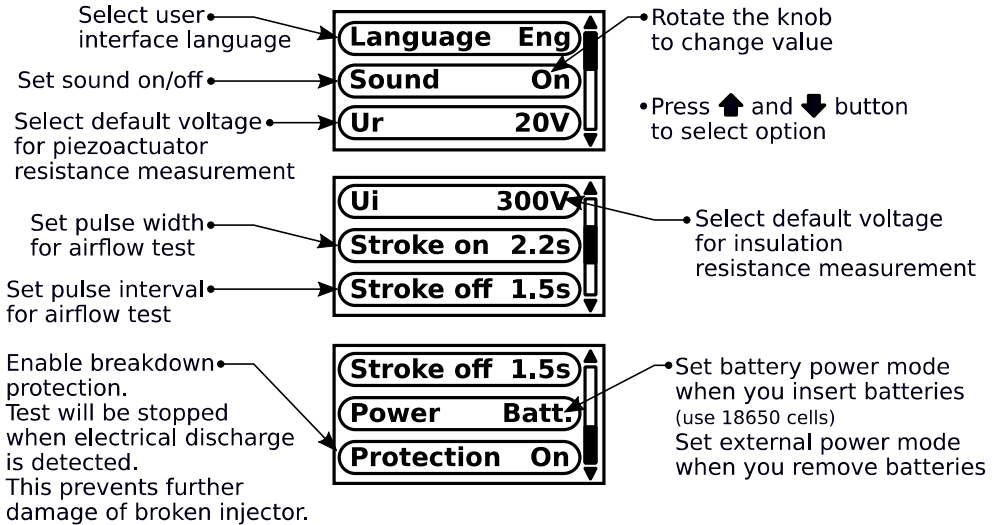
Error!
Can not provide test voltage.

- Press **X** button for an error description.
- Press **X** button again to return back to the main screen.

Brief Instruction

Options setup

Hold **X** button to enter setup.



Press **X** button to exit setup.

When device is battery powered and is not used for 15 minutes, it will fall asleep with display off to conserve battery power. Push "Start" button to wake up the device.