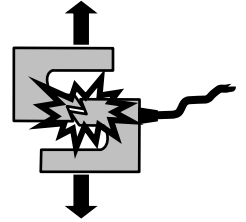


WARNING - IMPORTANT

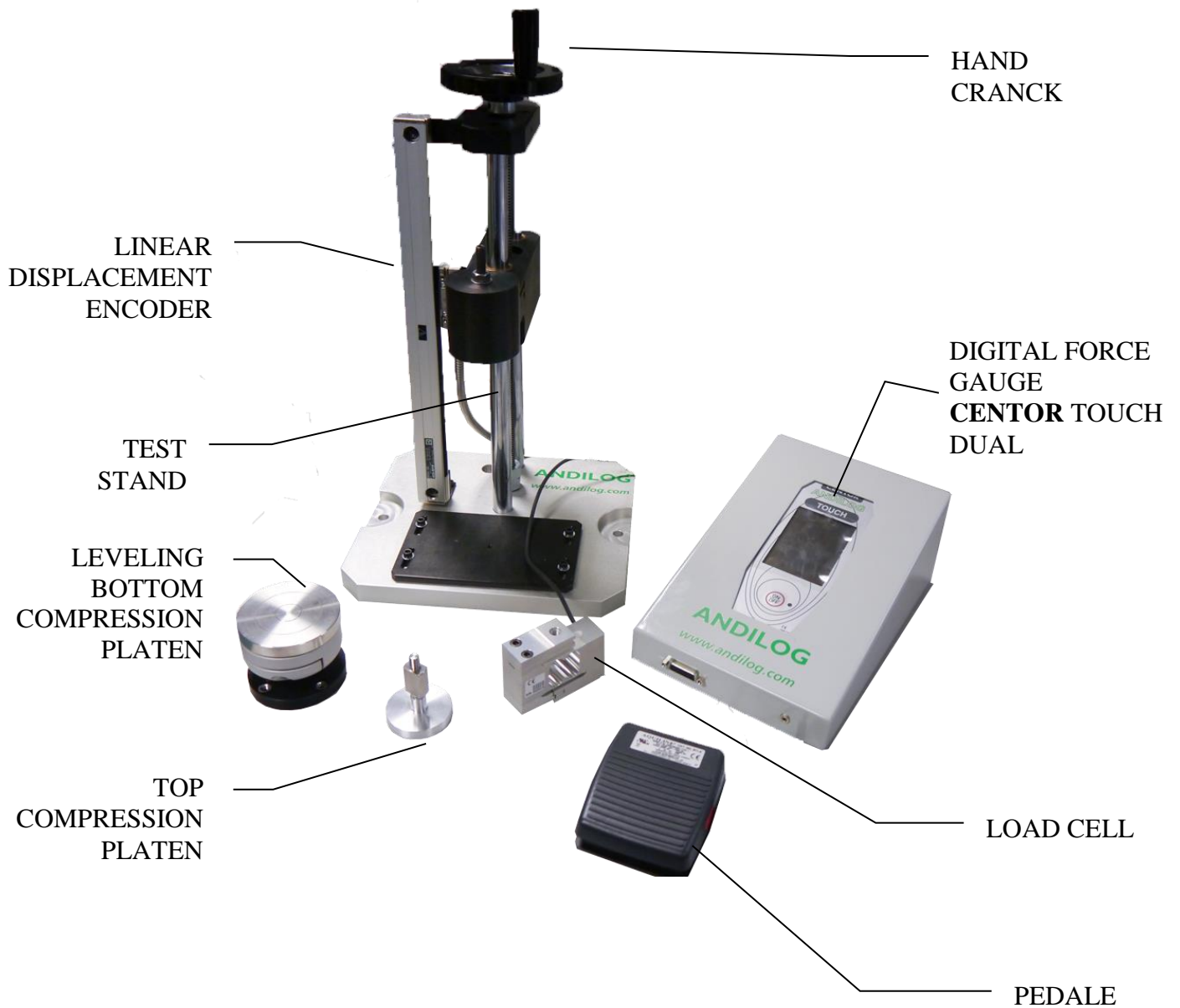
LOAD CELLS BREAKAGE

It is important that test readings do not exceed 90% of the capacity of the Load Cell. Operating the Load Cell above 90% of capacity may result in permanent damage to the Load Cell. Damaged can also occur during handling. The load cell and its installation block must be handled with care.



YOUR TEST SYSTEM

GENERAL TESTER TERMINOLOGIES



GETTING STARTED

REMOVING THE TESTER FROM THE CONTAINER

1. Determine desired location on work bench for Tester.
2. Remove all the parts from the box carefully and check that you have all the described parts above.
3. Place tester in a vertical position on selected location.

CAUTION

INSTALLING THE LOAD CELL

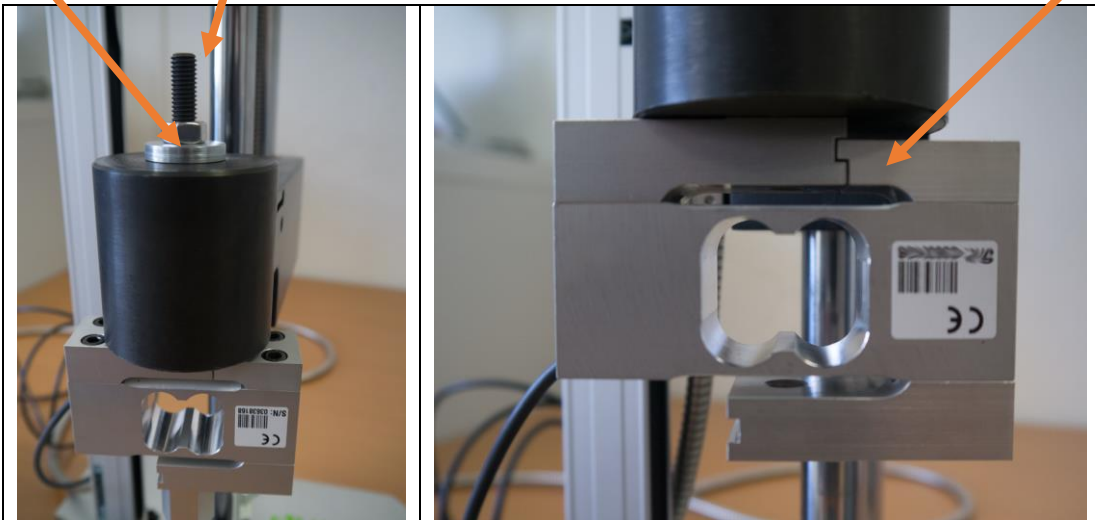
The Load Cell is a precision piece of equipment. Load Cells, especially smaller capacities, are very sensitive and can be damaged or ruined by dropping or mishandling them. To avoid damage during installation, follow these instructions carefully.

1. Handle the load cell block with care.
2. Insert the guide and the M8 Screw through the cross head and tight it to the load cell. Recommended screwing torque is 15Nm.
3. The screw has to be inserted no more than 14mm in the load cell
4. Connect the load cell cable on the left side of the load cell block

Guide

M8 screw

Overload protection must be at the top



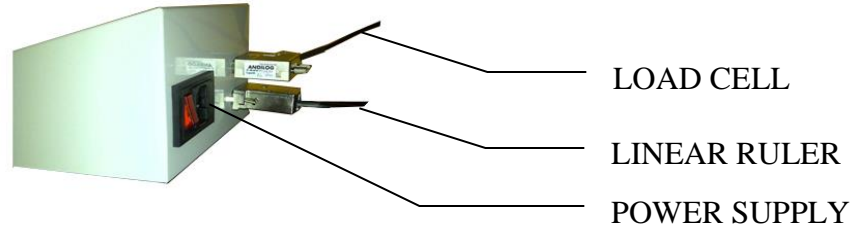
INSTALLING THE PLATENS

1. Mount the lower platen on the test stand, see the dedicated assembly instruction.
2. Mount the top platen to the load cell
3. Adjust the parallelism (video available at: http://www.andilog.com/self-levelling-compression-plate.html?category_id=27&tab=movie)



CONNECTING THE FORCE GAUGE CENTOR

1. Place the Digital gauge Centor TOUCH on the work bench or table next to the Test Stand.
2. Connect the cable between the Centor and the load cell, on the back of the Centor using the 9pins connector.
3. Connect the cable between the Centor and the linear ruler, on the back of the Centor
4. Connect the power cord to the Centor and plug it into a 220V, surge protected power source



CONNECTING THE PEDAL

1. Connect the pedal to the Centor Touch on the front jack connector – The pedal can be used to tare the Force on the Centor Touch at the beginning of the test.



HOW TO MEASURE A SPRING

During the first use and periodically, it is necessary to adjust the parallelism between the compression plate and the self leveling bottom plate. To do this:

1. Loosen of the self-leveling plate and go down with the compression plate to bring together the two plates.
2. To ensure even greater accuracy and compensate for distortions in the system, it is recommended to apply a light force between two plates.
3. Once this force is reached, lock the bottom self leveling plate by tightening the screws.
4. Then press zero on the displacement sensor.

You can then test all your springs. Simply places the spring on the bottom plate, then turn the handle to go down to the desired height. Write then the value of the force or transfer this value to your computer

**Your system is now ready to measure.
Read carefully the operating manual to setup the force gauge.**