

Load Cell Tester model LCT-Ultimate

This most advanced Load Cell Tester model LCT-Ultimate is a stand-alone hand-held device that was especially designed for full trouble shooting of strain-gage based load cells. The LCT-Ultimate can check all common types of standard load cells that are available on the market:

4 or 6 wires @ all rated gain outputs.

The LCT-Ultimate provides the user with all essential data needed about the tested load-cell:

Bridge resistance and integrity
Physical distortion (possibly caused by overload, shock, load or metal fatigue)

Checks insulation resistance (can point to moisture or chemical ingress)

Main Features

Fast testing of load cells and scales

Can be used to check multi load-cell scale alignment.

Continuous signal reading allows for checking linearity and repeatability

Very user friendly, full test within 5 seconds

Specifications

Input and Output resistance:

up to 5000 ohm at 0.5 ohm resolution

Sense resistance (for 6 wire L/C):

up to 500 ohm at 0.1 ohm resolution

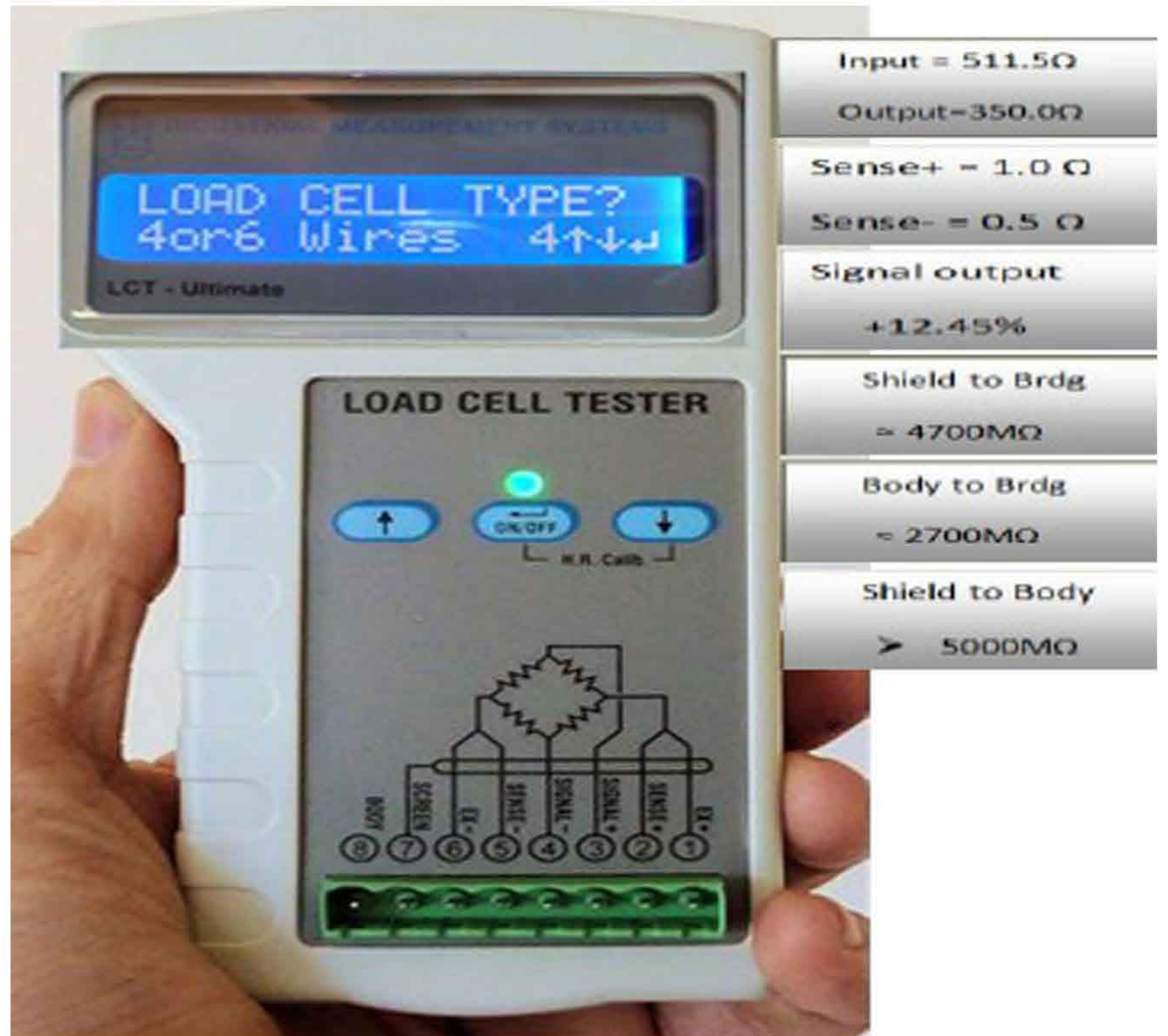
Insulation resistance:

Max:> 5000 Mohm and Minimum: <10 Mohm

Load cell output in percentage of full scale:

± 250% at 0.01% resolution (input load > 50?)

Gain adjustment: 0.1 - 5 mv/V steps of 0.01



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