

ELECTRICAL CALIBRATION MODULE – Patent Technology on UTM by Jinan Testing Equipment

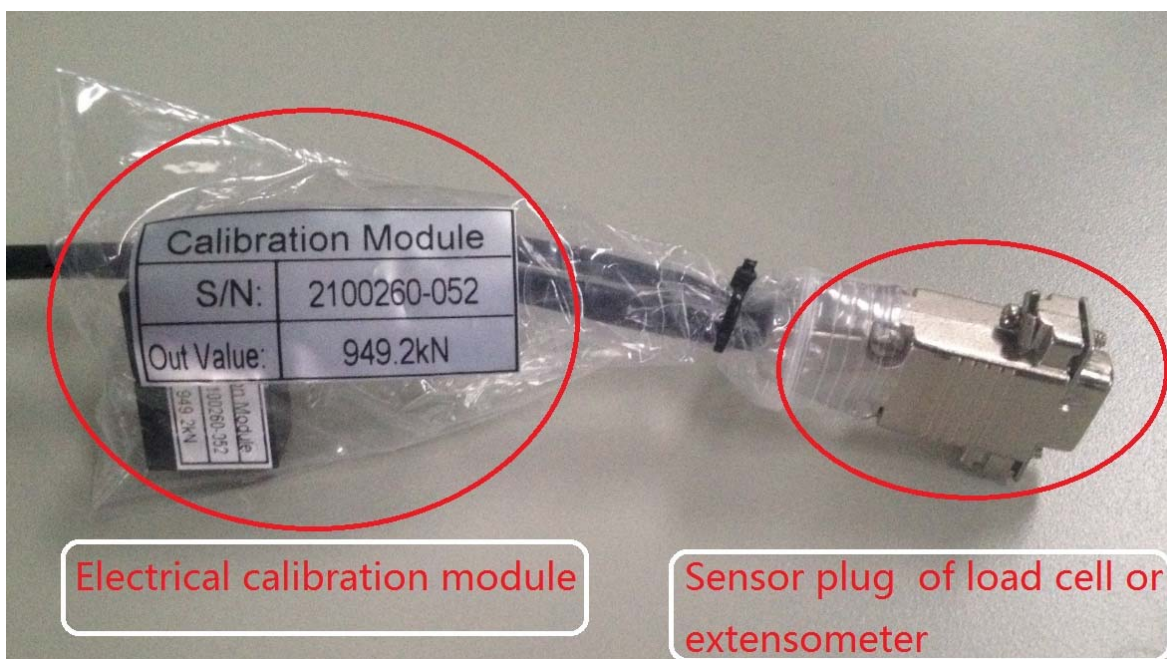
Application:

The electrical calibration module is designed to allow TE's calibration of load cell and extensometers to be easily transferred to our testing machine electronics. These are available for any strain gauged load cells and extensometers.

Why choose it?

It is used for the Calibration of Load cell and Extensometers by electrical method, which will make great benefits, partially listed as below

- Simple, fast and accurate calibration of the strain gauge load cells and extensometers;
- Quick means to check that the machine electronics (load cells & extensometers) is properly set and has not shifted, or damaged.
- The calibration can be done by electrical method, rather than the mechanical calibrators. Most of the end users do not have the mechanical calibrators; they have to apply for third party calibration. But now the electrical calibration module provides a more convenient way;
If the machine is for internal QC, this module means that you do not need mechanical calibration any more. You do not have to apply for the third party calibration. The module can ensure the accuracy, it will greatly save the cost and the time.
- The calibration can be done whenever needed without mechanical calibrators;
Machine accuracy is particularly important for precise tests; the calibration can be done before each test.
- Before a third party calibration, pre-calibration can be performed to ensure the system can pass the mechanical calibration (load cell by load cell calibrator and extensometer by extensometer calibrator).



Note: The above picture shows the calibration module connection with the sensor plug. The S/N there is the serial no. of the UTM machine's control card;