

APPLICATION NOTE

BITE FIELD CALIBRATION VERIFICATION

Each Megger BITE product can measure internal cell impedance, inter-cell connection resistance and dc voltage of cells and jars. But only BITEs can be checked in the field for calibration validity to ensure quality of the data generated. This is because only Megger's BITE instruments measure current simultaneously to potential.

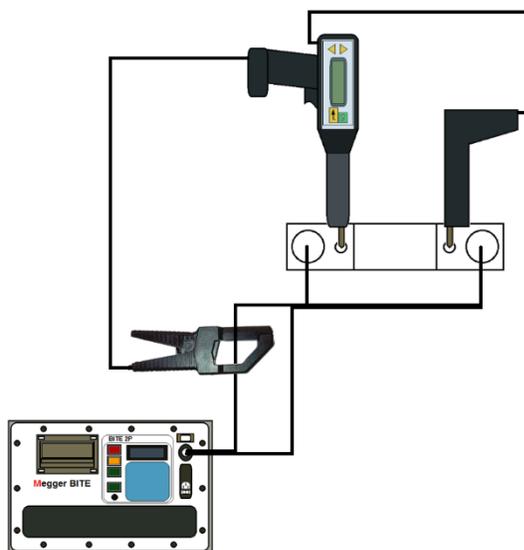
Field calibration checks are easily performed by utilizing one of the shunts available from Megger. These shunts are traceable to NIST, Gaithersburg, MD.

The BITE2 and BITE2P Procedure:

- 1) Select the appropriate shunt(s) from the table below.
- 2) Connect the Transmitters Current Source Leads across the shunt.
- 3) Connect the (standard) CT around one of the Current Source Leads being sure to center the lead within the CT.
- 4) Turn on the transmitter and turn on the output.
- 5) Turn on the receiver and scroll through the menu until the first cell measurement screen appears.
- 6) Touch the Potential Probes (or Receiver and Potential Probe) to the potential taps on the shunt.

The impedance measurement should fall within 10% of the shunt value. If not, or if the value that is measured is not acceptable by your corporate standards, then please call Customer Service for an RMA # to have your instrument recalibrated. There are several levels of calibration service available. Be sure to ask for the service which is most appropriate for your business needs.

Shunt Cat. No.	Resistance Value (mOhms)	Current Limit (Amps)
249002	100.0	1
249003	10.00	10
249004	1.000	100
249005	0.100	500

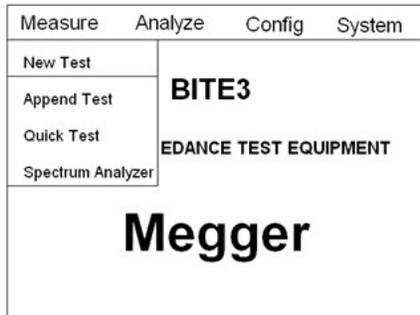


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BITE FIELD CALIBRATION VERIFICATION

The BITE3 Procedure:

- 1) Select the appropriate shunt(s) from the table below.
- 2) Press the MENU button on the BITE3 to open the menu.
- 3) Arrow down to the QUICK TEST option and press the ENTER key.



- 4) Place the probes across the shunt as shown in the diagram below.
- 5) The BITE3 display should read STRAP and display WAITING FOR TRIGGER.
- 6) Pull the trigger and wait for the impedance measurement.

The impedance measurement should fall within 10% of the shunt value. If not, or if the value that is measured is not acceptable by your corporate standards, then please call Customer Service for an RMA # to have your instrument recalibrated. There are several levels of calibration service available. Be sure to ask for the service which is most appropriate for your business needs.

Shunt Cat. No.	Resistance Value (mOhms)	Current Limit (Amps)
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