Epsilon ® technology corp

10V calibration reference for high level devices.

VREF module

Like the shunt calibration module for strain gaged extensometers, the VREF module is used to transfer Epsilon's calibration to a customer's electronics.

VREF works with Epsilon's Model 3648 high temperature capacitive extensometers, and is compatible with both the 3603 and 3604 signal conditioners. The high-precision 10V reference in the VREF module ensures calibrations are spot on every time. One VREF module may be used to calibrate several high level output extensometers by using the 10V extension value for each extensometer.

Calibration only requires these simple steps:

1. With the VREF module connected to the testing machine's strain channel input, set VREF to 0V and zero the testing machine's strain channel. This is the zero reference.
2. Set VREF to 10V and calibrate the full scale extensometer value on the testing machine's strain channel. This is the calibrated full scale.
3. If your testing machine requires returning to 0V after setting full scale, set VREF back to 0V and zero the testing machine's strain channel.
4. Reconnect the extensometer's signal conditioner to the testing machine and you're ready to go.

That's all it takes.

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VREF Module