

Introduction

This release note contains information on the Model 5156 Electrometer Calibration Standard.

Calibration standard

Note that the Model 5156 Electrometer Calibration Standard is no longer available from Keithley Instruments. This standard is recommended for certain calibration and performance verification procedures in manuals for the following instruments:

- 6430 SourceMeter
- 6485 Picoammeter
- 6487 Picoammeter
- 6514 Electrometer
- 6517A Electrometer

Factory calibration

If you do not already have access to a Model 5156 Electrometer Calibration Standard (or standards with equivalent accuracy specifications), the instrument should be returned to the factory for calibration. Alternate standards should at least meet the following accuracy of characterization specifications:

- 100M Ω : 200ppm
- 1G Ω : 300ppm
- 10G Ω : 400ppm
- 100G Ω : 500ppm
- 1nF: 1000ppm
- 100nF: 1000ppm

Performance verification

If the Model 5156 Calibration Standard is not available, alternate equipment to verify measurement accuracy of these instruments may be used as long as characterization accuracy meets or exceeds the above limits.