

Raman Calibration Tool

Fast, simple, and accurate field tool for intensity calibration of Raman analyzers



Benefits:

- Robust calibration protocol
- Excellent system accuracy and unparalleled instrument precision
- Minimal technical support required
- Incorporates NIST Standard Reference Material (SRM); Compatible with ASTM E2911
- Facilitates easy calibration transfer
- Chemical methods and models instrument-independent
- Simple wizard-based protocol

Specs at a glance

- Spectral intensity reference NIST SRM glass

More information and current pricing:

www.ca.endress.com/KRCT

Field of application: The Raman Calibration Tool (RCT) offers laboratory quality calibration in a field-capable tool, providing high accuracy critical for quantitative analysis. Coupled with wavelength (x-axis) and laser calibrations that are integrated into Raman analyzers, the Raman Calibration Tool provides the highest level of accuracy for even the most demanding Raman measurements. Used routinely, the RCT protocol facilitates calibration transfer between laboratory instruments and on-line process analyzers.

Features and specifications

Measuring principle

Raman spectroscopy

Temperature

Operating: -20 to 50 °C

Recommended storage: 15 to 25 °C

Relative humidity

Recommended storage: < 10% humidity, non-condensing

Unit dimensions (width x height x depth in mm)

83 x 66

Weight (kg)

0.54

Spectral intensity reference

NIST SRM glass

Spectral intensity output repeatability (at time of certification)

< ± 2%

Long term spectral uncertainty (at any wavelength)

± 2.85%

Spectral intensity calibration range

534.5 to 694.0 nm

More information www.ca.endress.com/KRCT