

Improve Data Accuracy with ReactIR™ Calibration



Simplicity

Plug-n-Play DS interface enables a seamless connection to the instrument and removes the need for alignment. Built-in thumbscrews secure the module and the sliding cover eliminates risk of contamination to the internal Polystyrene standard when not in use.



Plug-In and Calibrate

Remove existing sampling technology to attach the DS IPA module and immediately begin wavenumber validation and/or calibration. Peak height counts are easily adjusted using an integrated Iris adjustment.



NIST Traceability

To meet internal and external compliance standards, wavenumber calibration is performed using a NIST traceable 1.5 mil Polystyrene standard with a certification of traceability to 6 NIST 1921b frequencies.



iC IR™ Software

ReactIR coupled with iC IR software and the DS IPA module provides a simple solution for wavenumber calibration. The wizard-based validation and calibration feature guides users through the entire process. Easily archive records for audits with built-in reports generated for both validation and calibration.



Instrument Performance Assurance (IPA) Module

Researchers across industry and academia rely on METTLER TOLEDO instruments to provide critical information every day. To be successful, scientists need to be confident that their instruments are in proper working condition, ready when needed and that the result can be trusted. The DS IPA module enables users to regularly validate wavenumber accuracy and calibrate, if necessary, to a Polystyrene standard certified by the National Institute of Standards and Technology (NIST).

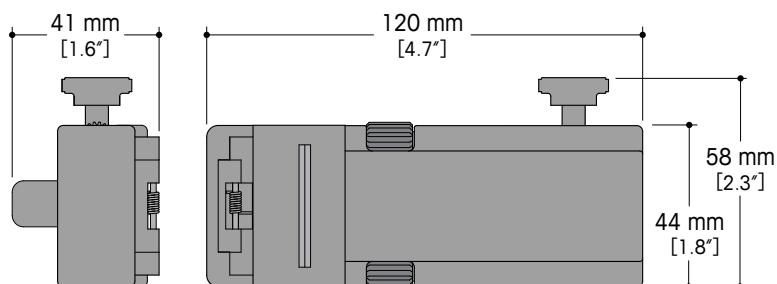
Improve Data Accuracy with ReactIR Calibration

Technical Data

Size (H x W x D)	41 mm x 120 mm x 58 mm (1.6 in x 4.7 in x 2.3 in)
Weight	0.9 kg (2 lb)
Resolution	4 cm ⁻¹ (max)
Optical Range	4000 cm ⁻¹ to 650 cm ⁻¹
Connection	Direct for ReactIR 15; Optical Interface Required for ReactIR 10, 45m, 45P
Operating Temperature	19 °C to 25 °C (66 °F to 77 °F)
Storage Temperature	10 °C to 50 °C (50 °F to 122 °F)
Humidity	<60 % non-condensing
Standard Reference Material	1921b

NIST Certification	3082.22 cm ⁻¹ (Delta 1.00) 3060.14 cm ⁻¹ (Delta 1.00) 1601.38 cm ⁻¹ (Delta 1.00) 1583.04 cm ⁻¹ (Delta 1.00) 1154.62 cm ⁻¹ (Delta 1.00) 1028.42 cm ⁻¹ (Delta 1.00)
---------------------------	--

Module Dimensions



Service Calibration and Preventive Maintenance Plan

Low-cost Annual Calibration and Preventive Maintenance Plans guarantee the instrument will continue to operate to specification, while minimizing the risk of unexpected failures. Ask your local representative about plan details and benefits.

Mettler-Toledo AutoChem, Inc.

7075 Samuel Morse Drive
Columbia, MD 21046
Phone +1 410 910 8500
Fax +1 410 910 8600

Subject to technical changes
© 05/2014 Mettler-Toledo AutoChem, Inc
Printed in USA

www.mt.com/ac-Service

For more information