

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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ANALYTICAL & PRECISION BALANCE CO., INC.

www.apscales.com

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Accredited to ISO/IEC 17025:2017

Effective Date November 28, 2024

CALIBRATION AND MEASUREMENT CAPABILITY (CMC)*

MEASURED QUANTITY or DEVICE TYPE CALIBRATED	RANGE	UNCERTAINTY ^{1,2} (±)	CALIBRATION METHOD OR PROCEDURE, STANDARD EQUIPMENT (OPTIONAL)
Mechanical			
Electronic and Mechanical Balances ³	Up to 120 g 120 g to 210 g 210 g to 600 g 600 g to 1200 g 1200 g to 5 kg 5 kg to 25 kg 25 kg to 50 kg 50 kg to 70 kg 70 kg to 120 kg 120 kg to 160 kg 160 kg to 320 kg	0.049 mg 0.29 mg 0.59 mg 0.60 mg 5.9 mg 0.24 g 0.34 g 0.42 g 0.58 g 0.67g 0.94 g	Calibration procedure QP-035 (direct method) by using Class 1 weights, Class F weights
Platform Scales ³	Up to 5000 lb 5000 lb to 10000 lb	0.068 lb 0.076 lb	Calibration procedure QP-035 (direct method) by using Class F weights

¹The uncertainty covered by the Calibration and Measurement Capability (CMC) is expressed as the expanded uncertainty having a coverage probability of approximately 95 %. It is the smallest measurement uncertainty that a laboratory can achieve within its scope of accreditation when performing calibrations of a best existing device. The measurement uncertainty reported on a calibration certificate may be greater than that provided in the CMC due to the behavior of the calibration item and other factors that may contribute to the uncertainty of a specific calibration.

²When uncertainty is stated in relative terms (such as percent, a multiplier expressed as a decimal fraction or in scientific notation), it is in relation to instrument reading or instrument output, as appropriate, unless otherwise indicated.

³ Also available as site calibration. Note that actual measurement uncertainties achievable at a customer's site can normally be expected to be larger than the uncertainties listed on this Scope of Accreditation.

* If information in this CMC is presented in non-SI units, the conversion factors stated in NIST Special Publication 811 "Guide for the Use of the International System of Units (SI)" apply.

CL-104

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Page 2 of 2

IAS/CL/100-3

