SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

United Scale & Engineering Corporation³
A TRANSCAT COMPANY

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CALIBRATION

Valid to: June 19, 2015 Certificate Number: AC-1148

I. Mechanical

PARAMETER / EQUIPMENT	RANGE	CALIBRATION AND MEASUREMENT CAPABILITY [EXPRESSED AS UNCERTAINTY(±)]	REFERENCE STANDARD OR EQUIPMENT	METHOD(S)
Class I Balances	Up to 100 g Up to 230 g Up to 610 g	0.11 mg 0.20 mg 0.52 mg	ASTM Class F1 weights	OEM Manuals
Class I Balances	Up to 100 g Up to 230 g Up to 610 g	0.15 mg 0.29 mg 0.72 mg	ASTM Class 0 weights	OEM Manuals
Class II Balances	Up to 610 g Up to 6 100 g	1.4 mg 12.5 mg	ASTM Class F1 weights	OEM Manuals
Class II Balances	Up to 32 kg Up to 34 kg	0.21 g 0.60 g	ASTM Class 2 weights ASTM Class 2 weights	OEM Manuals
Class II Balances	Up to 6 400 g Up to 32 kg Up to 34 kg Up to 64 kg	0.007 g 0.12 g 0.65 g 7.1 g	ASTM Class F weights	OEM Manuals
Class III Light capacity Scales	Up to 2 lb Up to 5 lb Up to 10 lb Up to 20 lb Up to 50 lb Up to 100 lb Up to 200 lb	0.00062 lb 0.0016 lb 0.0033 lb 0.0062 lb 0.013 lb 0.026 lb 0.062 lb	ASTM Class F weights	NIST Handbook 44

PARAMETER / EQUIPMENT	RANGE	CALIBRATION AND MEASUREMENT CAPABILITY [EXPRESSED AS UNCERTAINTY(±)]	REFERENCE STANDARD OR EQUIPMENT	METHOD(S)
Class III Medium Capacity Scales	Up to 500 lb Up to 1 000 lb Up to 2 000 lb Up to 5 000 lb Up to 10 000 lb Up to 20 000 lb	0.13 lb 0.26 lb 0.62 lb 1.2 lb 2.3 lb 5.8 lb	ASTM Class F weights	NIST Handbook 44
Class IIIL Heavy Capacity Scales	Up to 50 000 lb Up to 100 000 lb Up to 200 000 lb	11.6 lb 23.2 lb 23.3 lb	ASTM Class F weights	NIST Handbook 44

Notes:

1. *Calibration and Measurement Uncertainties (Expanded Uncertainty) are based on approximately a 95% confidence interval, using a coverage of k=2.*
2. *The uncertainty associated when calibrating a balance/scale is dependent on local conditions, such as the resolution of the unit being calibrated and the environment in which the balance/scale is operating. The uncertainty listed in the scope here represents the best uncertainty for a balance/scale which the organization typically calibrates in its lab. Since field (on-site) conditions are typically more variable than those in the laboratory, larger measurement uncertainties are expected in the field (on-site) than what is reported on the accredited scope.*
3. *This organization maintains satellite organization(s). The accredited corporate site with the above address is also accredited for satellite site(s).*
4. *This organization maintains the following satellite sites: 4123 Terminal Dr., McFarland, WI 53558; 1322 Russett Court, Green Bay, WI 54313.*
5. *This scope is part of and must be included with the Certificate of Accreditation No. AC-1148.*

Vice-President

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