National Conference on Weights and Measures

15245 Shady Grove Road, Suite 130 • Rockville, MD 20850

Certificate Number: 97-004

National Type Evaluation Program

Certificate of Conformance for Weighing and Measuring Devices

For:
Monorail Scale, Static Weighing
Load Cell Electronic
Model: ST-MONO-1000 and ST-MONO-500
n_{max}: 5000
Capacity: 1000 lb x 0.2 lb (ST-MONO-1000)
and 500 lb x 0.1 lb (ST-MONO-500)
Accuracy Class: III

Submitted by:
Vande Berg Scales
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Standard Features and Options

Single cell static monorail scale
Rigid mount 3-inch live rail

Load Cell: Tedea-Huntleigh Model 1250 (Certificate of Conformance No. 89-054A1) or metrological equivalent.

Temperature Range: -10 to 40 °C (14 to 104 °F)

This device was evaluated under the National Type Evaluation Program (NTEP) and was found to comply with the applicable technical requirements of Handbook 44, "Specifications, Tolerances, and Other Technical Requirements for Weighing and Measuring Devices." Evaluation results and device characteristics necessary for inspection and use in commerce are on the following pages.

Effective Date: January 8, 1997

Louis E. Straub
Chairman, NCWM, Inc.

G. Weston Diggs
Chairman, National Type Evaluation Program Committee

Issue date: June 24, 1997

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This is a reissuance by the NCWM of a Certificate of Conformance already issued by the National Institute of Standards and Technology.

Vande Berg Scales
Monorail Scale, Static Weighing
Model: ST-MONO-1000 and ST-MONO-500

Application: Overhead monorail static weighing applications with compatible indicating elements approved for monorail applications.

Identification: The required information appears on an adhesive badge affixed to the face of the live rail.

Sealing: The monorail scale weighing element has no sealable parameters that require the use of a security seal. The overall calibration is accomplished at the separable indicating element.

Test Conditions: The emphasis of the evaluation was on the device design, operation, and compliance with influence factor requirements. Both Models were interfaced with a Weigh-Tronix Model WI-110 Indicator (Certificate of Conformance Number 87-066A). Several increasing/decreasing load, over capacity, discrimination, return to zero, and shift tests were performed with known test weights. The devices were sealed and similar tests repeated after the time and use requirements were met. Both devices were subjected to environmental testing.

Results of the evaluation indicate the devices comply with the applicable requirements of NIST Handbook 44.

Type Evaluation Criteria Used: NIST Handbook 44, 1997 Edition

Tested By: R. Suiter (NE), B. West (OH)