

National Type Evaluation Program
Certificate of Conformance
for Weighing and Measuring Devices

For:

Indicating Element - Active Junction Box
Remote Addressable Analog to Digital Converter
Model: 0904-1013
n_{max}: 10 000

Accuracy Class: III/III L

Submitted by:

Mettler-Toledo, Inc
1150 Dearborn Drive
Worthington, OH 43085
Tel: (614) 438-4393
Fax: (614) 438-4355
Contact: Darrell Flocken

Standard Features and Options

Primary weight indication is provided by a compatible and certified indicating element.

Four channel analog to digital converter
Ability to cascade additional junction boxes (maximum of six boxes can be cascaded together)
Maximum of (24) load cells
Stainless steel enclosure

Temperature Range: -10 EC to 40 EC (14 EF to 104 EF)

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: April 25, 2000

Henry V. Oppermann
Chief, Office of Weights and Measures
Issue Date: June 29, 2000

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Mettler-Toledo, Inc.
Indicating Element - Active Junction Box
Model: 0904-1013

Application: The Model 0904-1013 provides Mettler-Toledo proprietary digital output from an analog load cell weighing system to a compatible and certified indicating element. Applications include tank, hopper, floor, vehicle, and combination vehicle/rail scales.

Identification: A foil badge is glued to the side of the junction box and covered with a clear laminate.

Sealing: The device can be sealed with a wire security seal threaded through the two slots and metal clips behind the slots that hold the top cover to the main box.

Test Conditions: The emphasis of the evaluation was on device design, operation, marking requirements, and compliance with influence factor requirements. For the purpose of this evaluation, the device was attached to a Mettler-Toledo indicating element Model 8530 Cougar (Certificate of Conformance Number 88-259A3) and two load cell simulators. Several increasing load and return to zero tests were conducted. Additionally, tests were conducted over a temperature range of -10 EC to 40 EC (14 EF to 104 EF). Tests were also conducted using 100 VAC to 130 VAC power supply.

The results of the evaluation indicate the device complies with applicable requirements of NIST Handbook 44.

Type Evaluation Criteria Used: NIST Handbook 44, 2000 Edition

Tested By: T. Lucas (OH)