NATIONAL TYPE EVALUATION PROGRAM

Certificate of Conformance

for Weighing and Measuring Devices

For:
Weighing/Load Receiving Element
Floor Scale, Load Cell Electronic
Model: S-xy
n_{max}: 5 000
e_{min}: 0.01 lb to 0.2 lb (see below)
Capacity: 50 lb to 1 000 lb (see below)
Platform: 13" x 17" to 24" x 28"
Accuracy Class: III

***Submitted By: Contact Info. Updated February 2010**
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Standard Features and Options

Standard Features:

- Stainless Steel Platter with a Carbon Steel Frame
- Load Cells are Resistive Strain Gage, Single Ended Cantilevers

Options:

- Other Capacities Exist Within the Models Listed and Are Covered by this Certificate of Conformance Provided the Capacity is Between 50 lb and 1000 lb with a n_{max} of 5000

Models	Size	Capacity (lb)	Load Cell
S-SL	13" x 17"	50 – 300	Teraoka S-SL (Non-NTEP)
S-TL	17" x 21"	150 – 1000	Teraoka S-TL (Non-NTEP)
S-UL	24" x 28"	150 – 1000	Teraoka S-UL (Non-NTEP)

- The specific model designation for the S Series covered by this certificate is S-xy where x represents the platform size.
- The specific model designation for the S Series covered by this certificate is S-xy where y represents the units.
  L = pounds
  K = kilograms

Temperature Range: 5 ºC to 40 ºC (41 ºF to 104 ºF)

This device was evaluated under the National Type Evaluation Program and was found to comply with the applicable technical requirements of "NIST 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.

Randy Jennings
Chairman, NCWM, Inc.

Judy Cardin
Chairman, National Type Evaluation Program Committee
Issued: November 13, 2002

DIGI

Weighing/Load Receiving Element / S-xy

Application: For general purpose Class III weighing when interfaced with an approved compatible indicating element.

Identification: A metal badge is riveted below the platter directly on the opposite side of the load cell cable and the level indicating mechanism.

Sealing: There are no sealable parameters on the load-receiving element. Calibration will be preformed through the indicator.

Test Conditions: This certificate supersedes Certificate of Conformance number 00-092 and is issued to indicate the transfer of ownership from Digi Matex, Inc. to DIGI. The NTEP Certificate of Conformance 00-092, though inactive, remains in effect to cover those devices previously sold and installed under the original name. Previous test information and documentation provided by the company was reviewed. The test conditions for the original type evaluation are listed below for reference.

Certificate of Conformance Number 00-092: Three load receiving elements were submitted for evaluation: Models SS-L (50 lb x 0.01 lb, platform 13" x 17" with Teraoka load cell S-SL 60lb), ST-L (500 lb x 0.1 lb, platform 17" x 21" with Teraoka load cell S-TL 600lb), and SU-L (1000 lb x 0.2 lb, platform 24" x 28" with Teraoka load cell S-UL 1200lb). Each device was connected with a Digi DI-10 indicating element (Certificate of Conformance Number 91-070). The emphasis of the evaluation was on the device design, operation, markings, and compliance with influence factor requirements. Several increasing/decreasing load and shift tests were performed. The devices were tested over a temperature range of 5 °C to 40 °C (41 °F to 104 °F). A load of approximately one-half scale capacity was applied to the scales 100 000 times. The devices were tested periodically during this time.

Evaluated By: T. Lucas (OH) 00-092

Type Evaluation Criteria Used: NIST, Handbook 44: Specifications, Tolerances and Other Technical Requirements for Weighing and Measuring Devices, 2000. NCWM, Publication 14: Weighing Devices, 2000.

Conclusion: The results of the evaluation and information provided by the manufacturer indicate the device complies with applicable requirements.

Information Reviewed By: S. Patoray (NCWM) 02-111; L. Bernetich (NCWM) 02-111