

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

For:

Non-Computing, Bench Counter Scale
Digital Electronic Scale
Model: DC-788
 $n_{\max}$: 5000
 $e_{\min}$: 0.002 lb / 0.001 kg
Capacity: 10 lb / 5 kg to 100 lb / 50 kg
Platform: 9.5-in x 13.5-in
Accuracy Class: III

Submitted by: Contact Info. Updated November 2022

DIGI
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Standard Features and Options

Waterproof keyboard and splash-proof housing, stainless steel platter
Semi-automatic (pushbutton) zero
Keyboard tare, Programmable tare, Multiple Tare Memories, Semi-automatic (pushbutton) tare
Remote capability Printer
Battery Power Supply, Battery Saving Feature (Auto Shut-Off), AC/DC Adapter
Gross/Net Display, Pound/kg conversion
RS-232

Optional Features:

Main weighing element plus one external weighing element
Counting Feature "not legal-for-trade"

Temperature Range: -5 °C to 40 °C (23 °F 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.



Mike Cleary
Chairman, NCWM, Inc.



Don Onwiler
Chairman, National Type Evaluation Program Committee

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DIGI
Non-Computing Scale
Model: DC-788

Application: Designed for general purpose Class III weighing as a counter/bench scale.

Identification: The required markings appear on a self-destructive, adhesive badge located on the left side of device: manufacturer, model, type, $n_{\max}$, voltage, battery supply, temperature, serial number, CC number, (etc.). The maximum capacity by division is located on the front of the device along with the appropriate display information.

Sealing: There are two threaded standoffs with holes in them on the bottom of the unit. A lead and wire seal will pass through these holes to prevent access to the calibration button and configuration parameters.

Test Conditions: For the purpose of this evaluation two scales were submitted. The Model submitted was a DIGI DC-788 with parameters as follows; 10 x 0.002 lb / 5 x 0.001 kg and 100 x 0.02 lb / 50 x 0.01 kg. The emphasis of the evaluation was on the device design, operation, environmental factors and marking requirements. Several increasing/decreasing load and shift tests were conducted. An external base, DIGI model S-X Digital Weighing Platform, was connected to the 100 lb scale to verify that an external base will work with the DC-788 models. Several increasing/decreasing tests were performed. It was also verified that a printed ticket would distinguish between the internal and external base. The scales were tested over a temperature range of -5 °C to 40 °C (23 °F to 104 °F). A load of approximately 1/2 capacity was applied to the scales over 100 000 times each. The scales were tested periodically over this time. Tests were also conducted using 100 VAC and 130 VAC power supplies as well as 6 VDC and 7 VDC.

Evaluated By: J. Bigrigg (OH), W. West (OH)

Type Evaluation Criteria Used: NIST Handbook 44, 2007 Edition and Publication 14, 2006 Edition

Conclusion: The results of the evaluations and information provided by the manufacturer indicate the devices comply with applicable requirements.

Reviewed By: S. Patoray (NCWM), L. Bernetich (NCWM)

Example of DC-788:

