



NATIONAL TYPE EVALUATION PROGRAM

Certificate of Conformance

for Weighing and Measuring Devices

For:

Non-Computing Scale
Digital Electronic
Model: FSi Series
 $n_{\max}$: 3500
Capacity: See table on page 2*
Accuracy Class: III

Submitted By:

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Standard Features and Options

Semi-automatic (push button) zero setting mechanism
Initial (IZSM) zero setting mechanism
Automatic zero tracking (AZT)
Semi-automatic (push button) tare
LCD display

AC power
Battery power optional
Battery saving feature (auto-shut off)
Units (kg, g, lb, oz)

Load cell used: A&D Part number LC 120-6K (non NTEP)
A&D Part number LC 120-15K (non NTEP)
A&D Part number LC 120-30K (non NTEP)

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. *Editorial changes, not affecting the type or metrological content, corrected this certificate.

Kevin Schnepf
Chair, NCWM, Inc.

Marc Paquette
Chair, NTEP Committee
Issued: September 2, 2025

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A&D Engineering, Inc.
Non-Computing Scale / FS_i Series

Application: Non computing scale used for general purpose weighing applications.

Identification: The required information is on an adhesive badge affixed on the side of the indicating element.

Sealing: The device is sealed on the rear of the display by means of a wire security seal threaded through two thumb screws to prevent access to the calibration switch.

*** Capacities, division sizes, $n_{\max}$ and pan sizes**

Model	Capacity x d in lb	Capacity x d in kg	Capacity x d in g	Capacity x d in oz	$n_{\max}$	Pan Size in mm
FS-6KiF/6KiNF	15 x .005	6 x .002	6000 x 2	240 x .1	3000	250 x 250
FS-15KiF/15KiNF	35 x .01	15 x .005	15000 x 5	560 x .2	3500	250 x 250
FS-30KiF/30KiNF	70 x .02	30 x .01	30000 x 10	1120 x .5	3500	380 x 300

Test Conditions: This certificate supersedes Certificate of Conformance 07-104A1 and was issued without additional testing to include the new Model number suffix F. Previous test conditions are listed below for reference.

Certificate of Conformance 07-104A1: This Certificate supersedes Certificate of Conformance Number 07-104 and was issued without additional testing to reactivate Certificate of Conformance 07-104 without lapse. Previous test conditions are listed below for reference.

Certificate of Conformance 07-104: The emphasis of the evaluation was on the device design, operation, marking requirements and compliance with influence factor requirements. For the purpose of this evaluation, a model FS-6Ki (6 kg x 0.002 kg) and a model FS-30Ki (70 lb x 0.02 lb) was submitted. Several increasing/decreasing load and shift tests were conducted on each scale. The scales were tested over a temperature range of -10 °C to 40 °C (14 °F to 104 °F). A load of approximately one-half scale capacity was applied to each scale over 100 000 times. The scales were tested periodically during this time. Tests were also conducted with a power supply of 100 VAC to 130VAC, and 5.8 VDC to 10.0 VDC.

Evaluated By: A. McCoy (OH) 07-104; J. Gibson (NCWM) 07-104A1, (CN 11178); B. Maser (NCWM) 07-104A2 (CN 11560)

Type Evaluation Criteria Used: NIST Handbook 44, 2007 Edition; NCWM Publication 14, 2007 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) 07-104, D. Flocken (NCWM) 07-104A1; J. Gibson (NCWM) 07-104A2



A&D Engineering, Inc.
Non-Computing Scale / FSi Series

Example of Device:



Example FS-30KiF



Example FS-6KiF