



NATIONAL TYPE EVALUATION PROGRAM

Certificate of Conformance

for Weighing and Measuring Devices

For:

Price Computing Scale
Digital Electronic
Models: SG and SF Series
Capacity: 6 kg to 30 kg (15 lb to 60 lb) (See Below)
 n_{max} : 3000
Platform: 300 mm x 280 mm (12" x 11")

Accuracy Class: III

***Submitted By: Contact Info. Updated December 2019**

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Standard Features and Options

Initial zero setting mechanism (IZSM)	Automatic zero setting mechanism (AZSM)
Gross/net weight display	Semi-automatic zero setting mechanism (push-button)
Semi-automatic tare (push-button)	RS-232 communication port
Battery power supply	AC to DC power adapter
Model SF Series comes with a tower customer display	Load cell: A & D Model SF/SG (30 kg capacity)
Model SG Series comes with a built-in operator and customer display	

Models*	Capacities	
SF-6 or SG-6	15 lb x 0.005 lb	6 kg x 0.002 kg
SF-15 or SG-15	30 lb x 0.01 lb	15 kg x 0.005 kg
SF-30 or SG-30	60 lb x 0.02 lb	30 kg x 0.01 kg

* Suffix descriptions:

Model SF Series: KA - Vacuum fluorescent display with AC hard wired
KB - Liquid crystal display with AC adapter
KC - Vacuum fluorescent display with AC adapter

Model SG Series: KA - Liquid crystal display with AC adapter

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

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.

Craig VanBuren
Chairman, NCWM, Inc.

Stephen Benjamin
Committee Chair, NTEP Committee
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A&D Engineering, Inc.
Price Computing Scale / SG and SF Series

Application: For use in direct sales, price computing, or general purpose weighing.

Identification: A metal identification tag is attached on the right side of scale.

Sealing: A pressure sensitive security seal can be applied over the plate located on the bottom of the scale. The plate is used to cover access to the calibration switch.

Test Conditions: The Models SF-30 KA and SF-6 KB price computing scales were submitted for evaluation. The emphasis of the evaluation was on the device design, operation, performance, and marking requirements. Each device was tested for width of zero, center of zero, discrimination, and zone of uncertainty tests. Several increasing/decreasing load and shift tests were conducted. Additionally, the devices were tested over a voltage range of 100 VAC to 130 VAC and 10.9 VDC and 12 VDC. Influence factor tests were conducted on each scale over a temperature range of -10°C to 40°C (14°F to 104°F). A load of one-half capacity was applied to the scales over 100,000 times. The devices were tested periodically during this time.

Results of the evaluation indicate the devices comply with applicable requirements.

Type Evaluation Criteria Used: NIST Handbook 44, 1999 Edition

Tested By: S. Chan (CA)