

**A and D Engineering
Bench Scale
Model: SK Series**

Application: General purpose bench scale.

Identification: The required information is on a pressure sensitive, self-destructive label located on the right side of the scale.

Sealing: The device can be sealed by means of a wire security seal threaded through two flat head screws located on the bottom of the scale to prevent undetected access to the calibration switch.

Test Conditions: This Certificate supersedes Certificate of Conformance Number 98-086 and is issued to include a new capacity into the family. The emphasis of the evaluation was on the device design, marking and compliance with influence factor requirements. A Model SK-30K (30 kg x 0.02 kg) was submitted for the evaluation. Several increasing/decreasing load and shift tests were conducted. The scale was tested over a temperature range of -10°C to 40°C (14°F to 104°F). Additionally, tests were conducted with a power supply of 100 VAC and 130 VAC. A load of approximately one-half capacity was placed on the scale 100 000 times with the scale being tested periodically. Previous test conditions are listed below for reference.

Certificate of Conformance Number 98-086: The emphasis of the evaluation was on the device design, marking and compliance with influence factor requirements. Three models were submitted for the evaluation SK-1000 (2.2 lb x 0.001 lb), SK-5000 (11 lb x 0.005 lb), and SK-20K (44 lb x 0.02 lb). Several increasing/decreasing load and shift tests were conducted. The scale was tested over a temperature range of -10°C to 40°C (14°F to 104°F). Additionally, tests were conducted with a power supply of 100 VAC and 130 VAC. A load of approximately one-half capacity was placed on each scale 100,000, 100,800 and 100,800, respectively.

The results of the evaluations indicate the devices comply with applicable requirements of NIST Handbook 44.

Type Evaluation Criteria Used: NIST Handbook 44, 1999 Edition

Tested By: A. McCoy & W. West (OH) 98-086 & 98-086A1