

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

**For:**

Bench Scale  
Load Cell Electronic  
Model: 3D  
 $n_{\max}$ : 3,000  
Capacity: 6 lb.  
Platform Size: 13.5" x 8.5"

Accuracy Class: III

**Submitted by:**

CAS (USA) Corporation  
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**Standard Features and Options**

Semi-automatic zero  
Automatic zero setting mechanism  
Motion detection  
Level Indication

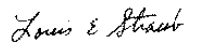
**Optional Models:**

| <u>Model Number</u> | <u>Capacity</u>     | <u>Platform Size (in)</u> |
|---------------------|---------------------|---------------------------|
| 6D                  | 15 lbs. x .005 lbs. | 13.5 x 8.5                |
| 15D                 | 30 lbs. x .01 lbs.  | 13.5 x 8.5                |


Temperature Range: -10 °C to 40 °C (14 °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.

Effective Date:



Louis E. Straub  
Chairman, NCWM, Inc.



G. Weston Diggs  
Chairman, National Type Evaluation Program Committee  
Issue date: September 17, 1990

Note: The National Conference on Weights and Measures does not "approve", "recommend", or "endorse" any proprietary product or material, either as a single item or as a class or group. Results shall not be used in advertising or sales promotion to indicate explicit or implicit endorsement of the product or material by the NCWM.

This is a reissuance by the NCWM of a Certificate of Conformance already issued by the National Institute of Standards and Technology.

**CAS Corporation (Vanport Inter.)  
Bench Scale, Load Cell Electronic  
Model: 3D**

**Application:** General purpose.

**Identification:** The model number and serial number are on a metal identification plate attached on the left side of the scale.

**Sealing:** The scale may be sealed with a lead and wire seal through two screws with holes in them on the bottom of the scale.

**Test Conditions:** The emphasis of the evaluation was on device design and performance. The Model 3D was tested over a temperature range of -10 to 40 °C. A load of approximately one-half capacity was applied to the scale 100,065 times. The scale was tested periodically during this time. In addition, the device was tested at supply voltages of 100 and 130 VAC. All tests were within the acceptance tolerances and indicate that the device complies with the applicable requirements.

The 15 lb. and 30 lb. scales are included based on tests that were performed on the CAS 15M, 30 lb. capacity computing scale.

**Type Evaluation Criteria Used:** Handbook 44, 1990 Edition.

**Tested By:** Mike Nichols and Gary Castro (CA)