

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

**For:**

Weighing/Load Receiving Element  
Bench and Counter  
Digital Electronic  
Model: See Below  
 $n_{\max}$ : 5000       $e_{\min}$ : See Pg 2  
Capacity: 50 lb to 1000 lb  
Platform: 18" x 18", 18" x 24", 24" x 24"  
Accuracy Class: III

**Submitted by:**

Doran Scales, Inc.  
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Batavia, IL 60510  
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**Standard Features and Options**

**Models:**

DSS3000, DSS4000, DSS5000, DMS3000, DMS4000, DMS5000

**Other Models:**

DSS3XXXX, DSS4XXXX, DSS5XXXX, DMS3XXXX, DMS4XXXX, DMS5XXXX/YYYY where XXXX = capacity in pounds and YYYY = platter dimensions in inches, not to exceed 576 sq in

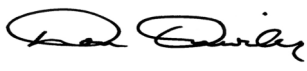
Example: DSS3500/1620 is a 500 lb device with a 16" x 20" platter

Load cell used: Doran Model 1260 (non-NTEP)

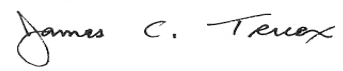
DMS indicates a mild steel base and DSS indicates a stainless steel base

Temperature range of -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.



Don Onwiler  
Chairman, NCWM, Inc.



James C. Truex  
Chairman, National Type Evaluation Program Committee  
Issue date: August 5, 2005

**Doran Scales, Inc.**  
**Weighing/Load Receiving Element**  
**Model: DSS3000, DSS4000, DSS5000, DMS3000, DMS4000, DMS5000 Series**

Model	Capacity (lb)	$e_{\min}$ (lb)	Platform Size (inches)
DSS3050	50	0.01	18" x 18"
DMS3050	50	0.01	18" x 18"
DSS3100	100	0.02	18" x 18"
DMS3100	100	0.02	18" x 18"
DSS3250	250	0.05	18" x 18"
DMS3250	250	0.05	18" x 18"
DSS3500	500	0.1	18" x 18"
DMS3500	500	0.1	18" x 18"
DSS31000	1000	0.2	18" x 18"
DMS31000	1000	0.2	18" x 18"
DSS4050	50	0.01	18" x 24"
DMS4050	50	0.01	18" x 24"
DSS4100	100	0.02	18" x 24"
DMS4100	100	0.02	18" x 24"
DSS4250	250	0.05	18" x 24"
DMS4250	250	0.05	18" x 24"
DSS4500	500	0.1	18" x 24"
DMS4500	500	0.1	18" x 24"
DSS41000	1000	0.2	18" x 24"
DMS4100	100	0.2	18" x 24"
DSS5050	50	0.01	24" x 24"
DMS5050	50	0.01	24" x 24"
DSS5100	100	0.02	24" x 24"
DMS5100	100	0.02	24" x 24"
DSS5250	250	0.05	24" x 24"
DMS5250	250	0.05	24" x 24"
DSS5500	500	0.1	24" x 24"
DMS5500	500	0.1	24" x 24"
DSS51000	1000	0.2	24" x 24"
DMS51000	1000	0.2	24" x 24"

**Application:** General purpose weighing when interfaced with a compatible and NTEP approved indicating element.

**Identification:** The required information is on a self destructive label attached by adhesive or a metal identification badge affixed to the device under the platter.

**Sealing:** There are no metrological functions on the device so sealing is not needed. The sealing is done through the indicator per the manufactures specifications for the particular indicator used.

**Test Conditions:** The emphasis of the evaluation was on the device design, marking requirements, and compliance with influence factor requirements. For the purpose of this evaluation there were three Models the DSS51000 (1000 lb x 0.2 lb 24"x 24"), DSS5250 (250 lb x 0.05 lb 24" x 24" and DMS5050 (50 lb x 0.01 lb 24" x 24") weighing elements submitted. Several increasing/decreasing load and shift tests were performed on each device. The devices were tested over a temperature range of -10 °C to 40 °C (14 °F to 104 °F). A load of half capacity was applied to each base over 100 000 times. The scale was tested periodically during this time.

**Doran Scales, Inc.**  
**Weighing/Load Receiving Element**  
**Model: DSS3000, DSS4000, DSS5000, DMS3000, DMS4000, DMS5000 Series**

**Evaluated By:** A. McCoy (OH)

**Type Evaluation Criteria Used:** NIST Handbook 44, 2005 Edition; NCWM Publication 14, 2005 Edition

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

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