



# LOAD CELL CALIBRATION CERTIFICATION

CONDITION : FINAL  
 MODEL: SMTM-200N-1184 SERIAL: 1620912 BRIDGE: A CAPACITY: 200 N  
 PROCEDURE: C-1260  
 INPUT RESISTANCE: 350.3 OHM OUTPUT RESISTANCE: 350.3 OHM  
 ZERO BALANCE: -0.508 %RO

**TEST CONDITIONS**

TEMPERATURE: 74 °F (23 °C) HUMIDITY: 30% EXCITATION: 5 VDC

**TRACEABILITY**

INDICATOR BRD294  
 NIST #, WEIGHTS 240815002 DUE 27-MAY-2030  
 NIST #, INDICATOR EVL958572

**SHUNT CALIBRATION**

	Shunt (+/- .01%)	Output	Straight Line Conversion	Connections*
TENSION	60.000 KOhm	1.45568 mV/V	139.64 N	-Out to -Exc

\*For models wired with +Sense, - Sense or -SCal leads, resistor connections are actually to these leads in place of +Exc, -Exc or -Out respectively.

**PERFORMANCE**

	Rated Output	SEB Output	Nonlinearity	Hysteresis	SEB
TENSION	2.08551 mV/V	2.08492 mV/V	-0.041 %FS	0.011 %FS	±0.029 %FS

STATIC ERROR BAND (SEB) The band of maximum deviations of the ascending and descending calibration points from a best fit straight line through zero OUTPUT. It includes the effects of NONLINEARITY, HYSTERESIS and nonreturn to MINIMUM LOAD.

TEST LOAD		RECORDED READINGS (mV/V)
APPLIED (lbf)	( N )	Tension
0	0.000	.00000
20	88.964	.92682
45	200.170	2.08729
20	88.964	.92705
0	0.000	.00027

Interface Inc. certifies that all calibration measurements are traceable to NIST. Estimated uncertainty is 0.040% RDG. Results relate to load cell serial 1620912 only.  
 DO NOT REPRODUCE THIS REPORT except in full or with Interface Inc. written approval.

TECHNICIAN : FLORES, NOEL

CALIBRATION DATE : 09-MAR-2026

APPROVED : \_\_\_\_\_