



Why Interface Calibration Services?

- Direct traceability to NIST
- A2LA accredited lab
- 50g to 1 million lbf capacity
- Seven hydraulic systems
- Six deadweight systems
- Only NIST certified Gold Standard™ Load Cells used as reference standards
- Interface Gold Standard™ Calibration Software used for data collection and analysis
- Highly trained and experienced calibration staff
- Test data permanently archived
- Calibration of all manufacturers' load cells
- Systems calibrations with any combination of load cells/instrumentation
- Dependable 5-day turnaround (2-day expedite service available)
- Customer contact within 24 hours after receiving parts
- Industries most complete calibration certificate

interface
ADVANCED FORCE MEASUREMENT

LOAD CELL CALIBRATION CERTIFICATION

CONDITION: FINAL PROCEDURE: C-1257
 MODEL: 1020BJ-25K-B SERIAL: 99886 BRIDGE: A CAPACITY: 25 K1bf

INPUT RESISTANCE: 351.2 OHM
 OUTPUT RESISTANCE: 351.2 OHM
 ZERO BALANCE: -0.433 TRD

TEST CONDITIONS
 TEMPERATURE: 77 °F HUMIDITY: 47 % EXCITATION: 10 VDC

TRACEABILITY
 FORCE STANDARD: STD-9 NIST #: 822.07258672 DUE: 15-JUN-99
 STANDARD INDICATOR: B101 NIST #: 811248920-92
 TEST INDICATOR: B104 NIST #: 811248920-92

SHUNT CALIBRATION
 60 Kohm ± 0.01% TENSION COMPRESSION
 OUTPUT: 1.4664 mV/V 1.4658 mV/V
 STRAIGHT LINE conversion: 17,579 K1bf 17,569 K1bf

NOTE: Calibration includes adjustment and testing and verification. This certificate is valid for 12 months and must be re-certified for continued traceability to NIST standards and standards used for calibration.

PERFORMANCE

	RATED OUTPUT	SEB OUTPUT	NONLINEARITY	HYSTERESIS	± SEB
TENSION	2.0767 mV/V	2.0769 mV/V	.003 SFS	.001 SFS	± .008 SFS
COMPRESSION	-2.0758 mV/V	-2.0757 mV/V	-.003 SFS	-.001 SFS	± .002 SFS

NOTE: CERTIFIED TESTS - For load cells and other uses of the certificate and certificate all data are based on a load cell certified to the standards listed. It includes the effects of non-linearity, hysteresis, and creep on the load cell.

TEST LOAD APPLIED (K1bf)	RECORDED READINGS (mV/V)	
	Tension	Compression
0	.0000	-.0000
5	.4135	-.4131
10	.8267	-.8263
15	1.2400	-1.2454
20	1.6534	-1.6606
25	2.0767	-2.0758
30	.8309	-.8302
0	-.0001	.0001

Interface, Inc. certifies that all calibration measurements are traceable to NIST. Estimated uncertainty of measurements is 0.003. Do not reproduce this report except in full or with Interface written approval.

TECHNICIAN: _____ DATE: 17-March-06

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Calibration Services

- MIL-STD-45662A, ANSI/NCSL Z540-1
- ASTM E74, Gold Standard™
- Above calibrations available for individual load cells and system calibrations
- Custom calibrations to fit customer needs
- Hydraulic systems perform tension and compression calibrations with one setup
- Custom threads and adaptors are made in house to customer specifications, which allows us to simulate real world applications

Repair Services

- Dependable seven day turnaround for repair services (includes calibration)
- Connector replacement on any manufacturers' load cell (if available)
- Highly trained and experienced repair technicians
- Complete load cell evaluation prior to repair and calibration free of charge

