

Indiana Standards Laboratory

2919 SHELBY STREET
INDIANAPOLIS, INDIANA 46203-5236

REPORT of CALIBRATION

DATE : 01/30/13 TEST NUMBER : 116951
MANUFACTURER : Omega Engineering Inc. MODEL NUMBER : LCCA-10K, 10000, lbf
NOMENCLATURE : Load Cell SERIAL NUMBER : 1532124
TOLERANCE : ± 0.25 %FS
SUBMITTED BY : Indiana Standards Laboratory
2919 Shelby Street
Indianapolis, IN 46203 USA LOCATION : Equipment Rack
P.O. NUMBER : ISL
PROCEDURE : TO 33K6-4-2836-1 TEMPERATURE : 23 °C
CAL INTERVAL : 12 EOM HUMIDITY : 35 %RH
PREVIOUS TEST NO. : 104531 NEXT CAL DUE : 01/31/14
TECHNICIAN : MWC
RECEIVED CONDITION : In-tolerance
RETURNED CONDITION : Limited: Only certain functions and ranges were calibrated, per conversation with customer.
COMMENTS : Limited: Compression only.

CALIBRATION SOURCE(S) : 107151 116204 120770 116198

UNCERTAINTY: ± 8.8 lbf

The customer should consider the uncertainty of the measurement in determining compliance.

The reported uncertainty is based on the standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately 95%.

Uncertainty is not taken into account in pass / fail function checks.

CERTIFICATION

After careful inspection of the above-described instrument, tests were performed in-laboratory to establish calibration accuracy. All equipment utilized in the testing is maintained by this laboratory and checked frequently against standards that have been certified traceable to SI Units through National Institute of Standards and Technology (NIST) or another National Metrology Institute (NMI).

It is hereby certified that the test instrument meets all the original manufacturer's performance specifications unless otherwise noted above. Test documentation is on file and may be viewed in our office. Testing was completed per ISL Quality Manual: Doc-001-Rev15 dated 08-23-12, and ISO/IEC 17025:2005, L-A-B Accredited Certificate Number L-2222.

Richard F. Chance



A handwritten signature in black ink, appearing to read 'R. F. Chance'.

Chief, Metrology

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CALIBRATION SOURCES

| Source | Manufacturer | Nomenclature | Model | Serial | Cal Due |
|--------|----------------------------|----------------------------|---------|------------|----------|
| 107151 | Morehouse | Proving Ring | 18-1486 | 6972 | 04/30/14 |
| 116198 | Hewlett Packard | Multimeter | 3456A | 2201A08995 | 11/30/13 |
| 116204 | Agilent Technologies, Inc. | Data Logger, Multifunction | 34970A | US37047059 | 11/30/13 |
| 120770 | Omega Engineering | Probe, Temperature, RTD | PT100 | 006960 | 01/31/14 |

CALIBRATION DATA

See Attached Sheet(s)

*Out-of-tolerance

**Indeterminate

Ø = Fixed Zero

Note: Uncertainty is not taken into account in pass / fail function checks.

LIMITATION

Compression Only.

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