

# CALIBRATION CERTIFICATE

**Model:** TLD208C02  
**Serial #:** 50471  
**Description:** Force Sensor  
**Type:** ICP

**Date:** 11/5/2018  
**By:** Scott Skibniewski, Cal. Tech. *SS*  
**Station:** 0-100 lb. Load Cell (Test Procedure AT501-5)

**Sensitivity\*:** 49.20 mV/LBF  
 11.06 mV/N

**Temp:** 73 deg F [23deg C]  
**Humidity:** 47 %

**Linearity\*:** 0.3% FS  
**Uncertainty\*\*:** +/- 1 %

**Cert #:** 723221

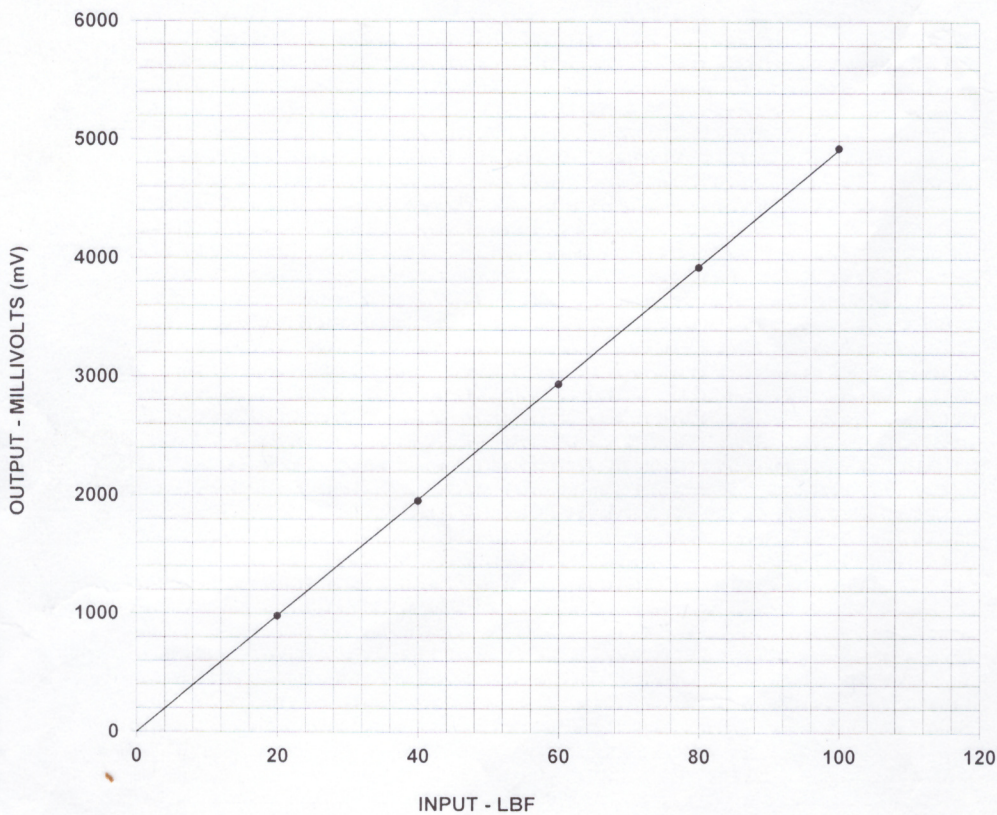
**Bias:** 10.75 VDC

\* Zero based, least-squares straight line.

\*\* Measurement uncertainty represented using a coverage factor of k=2 which provides a level of confidence of approximately 95 %.

**Condition of Unit:**

**As Found:** Not applicable  
**As Left:** In tolerance, new unit



**TEST DATA**

INPUT (LBF)	OUTPUT (mV)
20.0	979
40.0	1958
60.0	2943
80.0	3931
100	4934

- Notes:**
- 1 Standard calibration is supplied in compression mode.
  - 2 Station # 41
  - 3 This sensor is torque to 20 in-lbs prior to calibration.
  - 4 Calibration is traceable to NIST and is accredited to ISO 17025 and ANSI/NCSL Z540.3.
  - 5 NIST traceability through PCB control # NC545.
  - 6 This certificate may not be reproduced, except in full, without written approval from PCB Piezotronics, Inc.



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