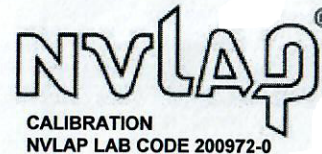




ESSCO CALIBRATION LABORATORY
 DIVISION OF WALSH ENGINEERING SERVICES, INC.
 CALIBRATION/REPAIR OF ALL TYPES OF ELECTRONIC / MECHANICAL TEST EQUIPMENT
 27 INDUSTRIAL AVE UNIT #9, CHELMSFORD, MA 01824-3618
 TEL: (800) 325-2201 (978) 250-0880 www.esscolab.com



CERTIFICATE OF CALIBRATION

ISSUE DATE: 05/14/2019

Certificate #: 1881339

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CUSTOMER / LOCATION KOLVER USA LLC 8D INDUSTRIAL WAY UNIT 1 SALEM, NH 03079	EQUIPMENT INFORMATION MANUFACTURER: KOLVER MODEL NO: KDS-PL15 SERIAL NO: 1904163 CONTROL NO: 1207250 TYPE: K-DUCER ELECTRIC TORQUE DRIVER
PURCHASE ORDER: ECL#5/13/2019	

AS FOUND	IN TOLERANCE
AS LEFT	IN TOLERANCE

Remarks: IN LAB

METHOD / ENVIRONMENT
PERFORMED: IN LAB TEMPERATURE (deg C): 21 METHOD: ECP NO. 1.5.12 Rev.2 5/7/2015 REL HUMIDITY (%RH): 39

CALIBRATION
CALIBRATION DATE: 5/14/2019 METROLOGIST: <i>Isaac McKenzie</i> CALIBRATION DUE: 5/14/2020 <u>Isaac McKenzie</u>

Standards Used To Calibrate Equipment					
I.D.	Template	Type Equipment	Report No.	Last Cal. Date	Cal. Due Date
E3728	@ CDI 2000-610-02/2000-6-02	50INLB TORQUE CELL W/ DISPLAY	1721059	07/26/2018	07/26/2019
E3729	@ CDI 2000-610-02/2000-65-02	150INLB TORQUE CELL W/ DISPLAY	1718644	07/23/2018	07/23/2019

The ESSCO Quality System is accredited to ISO 17025:2005

The results above relate only to the item(s) calibrated. Expanded uncertainties were calculated per ISO "Guide to the Expression of Uncertainty Measurement", (GUM) with 95% confidence level and a coverage factor of $k=2$. This certificate shall not be reproduced, except in full, without written approval of ESSCO. The user should consider the measurement uncertainty when assessing the metrological status of the equipment.

This document certifies that the unit conformed to applicable specifications upon successful completion of the calibration. Any number of factors may cause the calibration item to drift out of calibration before the recommended interval has expired. The standards used are traceable to NIST or a National Measurement Institute.

This calibration was performed in compliance with the ESSCO Quality System manual, ECL1 Rev 41, dtd 29 Mar 2019, ISO/IEC 17025:2005, ISO 9001:2008, ANSI/NCSL Z540-1-1994 part 1, ISO 10012:2003, ISO 13485, TS 16949, and when required contractually, 10CFR21 and 10CFR50 App. B.

This report must not be used to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. This report contains data that are not covered by the NVLAP accreditation.

Alan Fetzer

ALAN FETZER
Releasing Authority