

**CERTIFICATE OF
 CALIBRATION**



CERTIFICATION NUMBER	CP150-29440-840	IDENTIFICATION	EL-048C
FOR	Sample Manufacturing 3121 Medalist Drive Oshkosh, WI 54902	SERIAL NUMBER	
TEST INSTRUMENT	Amplifier Charge	PURCHASE ORDER #	
MAKE	Kistler	PROCEDURES FOLLOWED	EL-048C rev. 1
MODEL	5018		
CUSTOMER LOCATION	Location1 Location2	STANDARDS USED	
CONDITION RECEIVED	In Tolerance	INSTRUMENT	SERIAL NUMBER
CONDITION RETURNED	In Tolerance	FVB-021	N/A
CALIBRATED BY	Brian L Gliszinski	FVS-618	14021
REVIEWED/ISSUED	D.P. 07/29/2025		
CALIBRATION LOCATION	FVM		
ENVIRONMENT	69.0°F, 31.0%RH, 29.00inHg		
CALIBRATION DATE	05/30/2025		
RECALIBRATION DUE	05/30/2026		
		TRACE NUMBER	NEXT CAL
		CP134-52009-591	05/31/2026
		CP063-36779-823	03/31/2026

CALIBRATION RESULTS

* DENOTES "OUT OF TOLERANCE"

FEATURE	NOMINAL	LOWER LIMIT	UPPER LIMIT	AS FOUND	AS LEFT	UNCERTAINTY
Charge input	(pC)	(pC)	(pC)	(pC)	(pC)	(pC)
4V 20Hz at 1000 pF	4000	3880	4120	4000	4000	6.0E-1
Square wave						
Charge output	(V)	(V)	(V)	(V)	(V)	(V)
4000 pC	8.000	7.976	8.024	8.000	8.000	6.0E-4
Voltage Input	(mV)	(mV)	(mV)	(mV)	(mV)	(mV)
4V at 20Hz	4000	3980	4020	4000	4000	6.0E-1
Square wave						
Voltage output	(V)	(V)	(V)	(V)	(V)	(V)
4000 mV	8.000	7.960	8.040	8.000	8.000	6.0E-4

COMMENTS

Example certificate, actual results and uncertainties will be reported at the time of calibration.
 Nominal and limits may vary based on actual make/model.

■ This certificate shall not be altered in any form or reproduced, except in full, without prior written approval from originating lab. These results relate only to the item(s) calibrated. Form Revision 10: 06/04/2024
 ■ Total expanded measurement uncertainties expressed are based on a confidence level of 95%; coverage factor of (k=2). The statement of compliance in this certificate was issued without taking the uncertainty of measurement into consideration. The customer shall assess the results and uncertainty when determining if the results meet their needs. (This is considered "shared responsibility.") Uncertainties expressed in nominal units.
 ■ The calibrations within the certificate/report are traceable through NIST or another National Metrology Institute to the International System of Units (SI). Calibration was completed in accordance with ISO/IEC 17025:2017, ANSI/NCSL Z540-1-1994 and ANSI/NCSL Z540.3-2006. Other standards listed upon request.