SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

PARKER MEDICAL, INC.
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CALIBRATION

Valid To: June 30, 2027 Certificate Number: 6374.01

In recognition of the successful completion of the A2LA evaluation process (including an assessment of the organization's compliance with R205 – A2LA's Calibration Program Requirements), accreditation is granted to this laboratory to perform the following calibrations[1, 4]:

I. Electrical – DC/Low Frequency

Parameter/Equipment	Range	CMC[2, 5] (±)	Comments
Dynalyzers and High Voltage Dividers –	Nominal Voltage Ratio: 1 k, 10 k, 100 k		
DC High Voltage (kVp) Bipolar	(5 to 100) kV	0.022% of Voltage Ratio	Spellman HVD-200-1 / Keysight DAQ973A data acquisition system
Monopole (Negative Polarity)	(30 to 175) kV	0.027% of Voltage Ratio	Spellman HVD-200-1 / Fluke Multimeters
Dynalyzers and High Voltage Dividers –	Nominal Voltage Ratio: 1 k, 10 k, 100 k		
Voltage Divider Frequency Response	10 Hz to 20 kHz 20 kHz to 50 kHz 50 kHz to 100 kHz	0.18% of DC Voltage Ratio 0.32% of DC Voltage Ratio 1.4% of DC Voltage Ratio	Keysight DAQ973A data acquisition system / Fluke multimeter
Anode Current Sensor	1 mA to 1 A	0.18%	Keysight DAQ973A data acquisition system

Parameter/Equipment	Range	CMC[2, 3, 5] (±)	Comments
Dynalyzers and High Voltage Dividers –	Nominal Voltage Ratio: 1 k, 10 k, 100 k		
Filament Current Sensor	(1 to 10) A 60 Hz to 5 kHz 5 kHz to 10 kHz	 0.35% 0.79%	Keysight DAQ973A Data Acquisition System / Fluke Multimeter
Dynalyzer Digital Displays –			
Peak Voltage Anode	(10 to 150) kV	0.01%	Keysight DAQ973A data acquisition system
Current Anode	1 mA to 1 A	0.01%	
Current Filament	(1 to 10) A 60 Hz to 20 kHz	 0.11%	
Exposure Time	1 ms to 1.5 s	0.02%	HP Counter
MAS Meter	1 mAs to 1 As	0.18%	Keysight DAQ973A data acquisition system / HP counter
DC Voltage – Generate	Up to 330 mV 330 mV to 3.3 V (3.3 to 33) V (33 to 330) V 330 V to 1.02 kV	0.0069 % + 3.5µV 0.0058 % + 5.8µV 0.0058 % + 57µV 0.0064 % + 0.58mV 0.0065 % + 1.4mV	Fluke 5500A-SC600 multiproduct calibrator
Resistance – Generate	Up to 11 Ω (11 to 33) Ω (33 to 110) Ω (110 to 330) Ω 330 Ω to 1.1 kΩ (1.1 to 3.3) kΩ (3.3 to 11) kΩ (11 to 33) kΩ (33 to 110) kΩ (110 to 330) kΩ 330 kΩ to 1.1 MΩ (1.1 to 3.3) MΩ (3.3 to 11) MΩ	0.014 % + 9.3mΩ 0.014 % + 17mΩ 0.001 % + 17mΩ 0.016 % + 11mΩ 0.011 % + 69mΩ 0.01 % + 73mΩ 0.01 % + 0.69Ω 0.01 % + 0.69Ω 0.013 % + 6.9Ω 0.014 % + 6.9Ω 0.017 % + 64Ω 0.018 % + 57Ω 0.069 % + 0.64kΩ	Fluke 5500A SC600, multiproduct calibrator

Parameter/Equipment	Range	CMC[2, 3] (±)	Comments
Resistance – Generate (cont.)	(11 to 33) MΩ (33 to 110) MΩ (110 to 330) MΩ	0.12 % - 0.11kΩ 0.58 % + 6.4kΩ 0.68 % - 94kΩ	Fluke 5500A SC600, multiproduct calibrator
DC Current – Generate	Up to 3.3 mA (3.3 to 33) mA (33 to 330) mA 330 mA to 2.2 A (2.2 to 11) A	0.015 % + 0.058µA 0.012 % + 0.29µA 0.012 % + 3.8µA 0.035 % + 51µA 0.071 % + 0.35mA	Fluke 5500A SC600, multiproduct calibrator

Parameter/Range	Frequency	CMC[2, 3] (±)	Comments
AC Voltage – Generate			Fluke 5500A SC600, multiproduct calibrator
(1 to 33) mV	(10 to 45) Hz 45 Hz to 10 kHz (10 to 20) kHz (20 to 50) kHz (50 to 100) kHz (100 to 500) kHz	0.40 % + 23µV 0.17 % + 23µV 0.23 % + 23µV 0.29 % + 23µV 0.40 % + 38µV 1.2 % + 69µV	
(33 to 330) mV	(10 to 45) Hz 45 Hz to 10 kHz (10 to 20) kHz (20 to 50) kHz (50 to 100) kHz (100 to 500) kHz	0.38 % + 36µV 0.058 % + 23µV 0.12 % + 23µV 0.18 % + 46µV 0.28 % + 0.20mV 0.81 % + 0.38mV	
330 mV to 3.3 V	(10 to 45) Hz 45 Hz to 10 kHz (10 to 20) kHz (20 to 50) kHz (50 to 100) kHz (100 to 500) kHz	0.17 % + 0.29mV 0.035 % + 70µV 0.092 % + 70µV 0.16 % + 0.35mV 0.28 % + 2.0mV 0.58 % + 3.8mV	
(3.3 to 33) V	(10 to 45) Hz 45 Hz to 10 kHz (10 to 20) kHz (20 to 50) kHz (50 to 100) kHz	0.17 % + 2.9mV 0.046 % + 0.71mV 0.094 % + 2.6mV 0.22 % + 5.8mV 0.28 % + 0.02V	

Parameter/Range	Frequency	CMC[2, 3] (±)	Comments
AC Voltage – Generate (cont.)			Fluke 5500A SC600, multiproduct calibrator
(33 to 330) V	45 Hz to 1 kHz (1 to 10) kHz (10 to 20) kHz	0.058 % + 7.6mV 0.092 % + 19µV 0.10 % + 37µV	
330 V to 1.02 kV	45 Hz to 1 kHz (1 to 5) kHz (5 to 10) kHz	0.058 % + 93mV 0.23 % + 0.13mV 0.23 % + 0.66mV	
AC Current – Generate			
(29 to 330) µA	(10 to 20) Hz (20 to 45) Hz 45 Hz to 1 kHz (1 to 5) kHz (5 to 10) kHz	0.28 % + 0.21µA 0.14 % + 0.20µA 0.14 % + 0.29µA 0.13 % + 1.3µA 1.40 % + 0.18µA	Fluke 5500A SC600, multiproduct calibrator
330 µA to 3.3 mA	(10 to 20) Hz (20 to 45) Hz 45 Hz to 1 kHz (1 to 5) kHz (5 to 10) kHz	0.23 % + 0.42µA 0.11 % + 0.41µA 0.11 % + 0.4µA 0.23 % + 0.4µA 0.69 % + 0.36µA	
(3.3 to 33) mA	(10 to 20) Hz (20 to 45) Hz 45 Hz to 1 kHz (1 to 5) kHz (5 to 10) kHz	0.24 % + 3.4µA 0.12 % + 3.5µA 0.10 % + 3.5µA 0.23 % + 3.5µA 0.69 % + 3.5µA	
(33 to 330) mA	(10 to 20) Hz (20 to 45) Hz 45 Hz to 1 kHz (1 to 5) kHz (5 to 10) kHz	0.26 % + 26µA 0.12 % + 34µA 0.12 % + 29µA 0.23 % + 34µA 0.69 % + 35µA	
330 mA to 2.2 A	10 Hz to 20 Hz (20 to 45) Hz 45 Hz to 1 kHz (1 to 5) kHz	0.23 % + 43µA 0.23 % + 28µA 0.11 % + 80µA 0.87 % + 12µA	
(2.2. to 11) A	(45 to 65) Hz (65 to 500) Hz 500 Hz to 1 kHz	0.07 % + 0.1mA 0.12 % + 0.11mA 0.38 % + 0.11mA	

[1] This laboratory offers commercial calibration services.

[2] Calibration and Measurement Capability Uncertainty (CMC) is the smallest uncertainty of measurement that a laboratory can achieve within its scope of accreditation when performing more or less routine calibrations of nearly ideal measurement standards or nearly ideal measuring equipment. CMCs represent expanded uncertainties expressed at approximately the 95 % level of confidence, usually using a coverage factor of $k = 2$. The actual measurement uncertainty of a specific calibration performed by the laboratory may be greater than the CMC due to the behavior of the customer's device and to influences from the circumstances of the specific calibration.

[3] The stated measured values are determined using the indicated instrument (see Comments). This capability is suitable for the calibration of the devices intended to measure or generate the measured value in the ranges indicated. CMCs are expressed as either a specific value that covers the full range or as a percent or fraction of the reading plus a fixed floor specification.

[4] This scope meets A2LA's *P112 Flexible Scope Policy*.

[5] In the statement of CMC, percentages are percentage of reading, unless otherwise indicated.

Accredited Laboratory

A2LA has accredited

PARKER MEDICAL, INC.

Danbury, CT

for technical competence in the field of

Calibration

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. This laboratory also meets R205 – Specific Requirements: Calibration Laboratory Accreditation Program. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (*refer to joint ISO-ILAC-IAF Communiqué dated April 2017*).

Presented this 12th day of June 2025.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 6374.01
Valid to June 30, 2027

For the calibrations to which this accreditation applies, please refer to the laboratory's Calibration Scope of Accreditation.