



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : CALIBRATION LABORATORY - AAROHI EMBEDDED SYSTEMS PVT LTD, PLOT NO.: G-1004 TO 1008/A, KISHAN GATE NO-3 MAIN ROAD, GIDC METODA, RAJKOT, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3140 **Page No** 1 of 22

Validity 13/08/2022 to 12/08/2024 **Last Amended on** 04/01/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
Permanent Facility					
1	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current (45 Hz to 5 KHz)	Using Power Meter by Direct Method	10 A to 65 A	0.25 % to 0.175 %
2	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current (45 Hz to 5 KHz)	Using 6.1/2 Digital Precision Multimeter by Direct Method	100 µA to 100 mA	0.25 % to 0.07 %
3	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Current (45 Hz to 5 KHz)	Using 6.1/2 Digital Precision Multimeter by Direct Method	100 mA to 10 A	0.07 % to 0.25 %
4	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Power @ 50 Hz (600V to 1000V , 20A to 50 A , ±0.2 pF to UPF)	Using Power Meter by Direct Method	2.4 kW to 50 kW	0.23 % to 0.21 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

CALIBRATION LABORATORY - AAROHI EMBEDDED SYSTEMS PVT LTD, PLOT NO.:
G-1004 TO 1008/A, KISHAN GATE NO-3 MAIN ROAD, GIDC METODA, RAJKOT,
GUJARAT, INDIA

Laboratory Name :

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3140

Page No

2 of 22

Validity 13/08/2022 to 12/08/2024

Last Amended on

04/01/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
5	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Power @ 50 Hz (40V to 600V , 0.1 A to 20A, ±0.2 pF to UPF)	Using Power Meter by Direct Method	0.8 W to 12 kW	0.32 % to 0.24 %
6	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage (45Hz to 10 KHz)	Using 6.1/2 Digital Precision Multimeter by Direct Method	100 mV to 3 V	0.12 % to 0.19 %
7	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage (45Hz to 10 KHz)	Using 6.1/2 Digital Precision Multimeter by Direct Method	3 mV to 100 mV	1.62 % to 0.12 %
8	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage (45Hz to 10 KHz)	Using 6.1/2 Digital Precision Multimeter by Direct Method	3 V to 300 V	0.19 % to 0.16 %
9	ELECTRO-TECHNICAL-Alternating Current (< 1 GHz) (Measure)	AC Voltage (45Hz to 10 KHz)	Using 6.1/2 Digital Precision Multimeter by Direct Method	300 V to 1000 V	0.16 % to 0.098 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

CALIBRATION LABORATORY - AAROHI EMBEDDED SYSTEMS PVT LTD, PLOT NO.:
G-1004 TO 1008/A, KISHAN GATE NO-3 MAIN ROAD, GIDC METODA, RAJKOT,
GUJARAT, INDIA

Laboratory Name :

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3140

Page No

3 of 22

Validity 13/08/2022 to 12/08/2024

Last Amended on

04/01/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
10	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Measure)	Capacitance (1 kHz)	Using 6.1/2 Digital Precision Multimeter by Direct Method	1 nF to 10 nF	5.427 % to 1.783 %
11	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Measure)	Power Factor @ 50 Hz	Using Power Meter by Direct Method	0.05(Lag/Lead) PF to 0.2(Lag/Lead) PF	0.004 PF to 0.002 PF
12	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Measure)	Power Factor @ 50 Hz	Using Power Meter by Direct Method	0.2 PF (Lag/Lead) to Unity PF	0.002PF
13	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current (45 Hz to 5 KHz)	Using Multi Product Calibrator by Direct Method	3 A to 10 A	0.147 % to 0.094 %
14	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current (45 Hz to 5 KHz)	Using Multi Product Calibrator by Direct Method	3 mA to 300 mA	0.122 % to 0.055 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : CALIBRATION LABORATORY - AAROHI EMBEDDED SYSTEMS PVT LTD, PLOT NO.: G-1004 TO 1008/A, KISHAN GATE NO-3 MAIN ROAD, GIDC METODA, RAJKOT, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3140 **Page No** 4 of 22

Validity 13/08/2022 to 12/08/2024 **Last Amended on** 04/01/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
15	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current (45 Hz to 5 KHz)	Using Multi Product Calibrator by Direct Method	300 mA to 3 A	0.055 % to 0.147 %
16	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Current (45 Hz to 65 Hz)	Using Multi Product Calibrator and Transconductance Amplifier by Direct Method	20 A to 120 A	0.095 % to 0.05 %
17	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Power @ 50 Hz (40 V to 1000 V , 20 A to 120 A ,±0.1 pF to UPF)	Using Multi Product Calibrator and Transconductance Amplifier by Direct Method	80 W to 120 kW	0.2 % to 0.31 %
18	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Power @ 50 Hz, (40V to 600V , 0.01A to 20A , ±0.1 pF to UPF)	Using Multi Product Calibrator by Direct Method	0.04 W to 12 kW	3.5 % to 0.18 %
19	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage (45Hz to 10 KHz)	Using Multi Product Calibrator by Direct Method	100 mV to 3 V	0.06 % to 0.0371 %
20	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage (45Hz to 10 KHz)	Using Multi Product Calibrator by Direct Method	3 mV to 100 mV	1.01 % to 0.06 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

CALIBRATION LABORATORY - AAROHI EMBEDDED SYSTEMS PVT LTD, PLOT NO.:
G-1004 TO 1008/A, KISHAN GATE NO-3 MAIN ROAD, GIDC METODA, RAJKOT,
GUJARAT, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-3140

Page No

5 of 22

Validity

13/08/2022 to 12/08/2024

Last Amended on

04/01/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
21	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage (45Hz to 10 KHz)	Using Multi Product Calibrator by Direct Method	3 V to 300 V	0.037 % to 0.06 %
22	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	AC Voltage (45Hz to 10 KHz)	Using Multi Product Calibrator by Direct Method	300 V to 1000 V	0.06 % to 0.061 %
23	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	Capacitance (1 kHz)	Using Multi Product Calibrator by Direct Method	1 nF to 10 µF	1.756 % to 0.433 %
24	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	Capacitance (1 kHz)	Using Multi Product Calibrator by Direct Method	10 µF to 100 mF	0.433 % to 1.4 %
25	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	Capacitance (1 kHz)	Using Multi Product Calibrator by Direct Method	220 pF to 1 nF	5.856 % to 1.756 %
26	ELECTRO-TECHNICAL- Alternating Current (< 1 GHz) (Source)	Power Factor (45 Hz to 65 Hz & 1 V to 1000 V & 0.1 A to 20 A)	Using Multi Product Calibrator by Direct Method	0.05 PF (Lag/Lead) to 1.0 PF	0.003 PF to 0.002 PF



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : CALIBRATION LABORATORY - AAROHI EMBEDDED SYSTEMS PVT LTD, PLOT NO.: G-1004 TO 1008/A, KISHAN GATE NO-3 MAIN ROAD, GIDC METODA, RAJKOT, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3140 **Page No** 6 of 22

Validity 13/08/2022 to 12/08/2024 **Last Amended on** 04/01/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
27	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6.1/2 Digital Precision Multimeter by Direct Method	10 μ A to 300 mA	0.4 % to 0.07 %
28	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using Power Meter by Direct Method	10 A to 20 A	0.19 % to 0.24 %
29	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Current	Using 6.1/2 Digital Precision Multimeter by Direct Method	300 mA to 10 A	0.07 % to 0.19 %
30	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Power (1.5 V to 1000 V, 0.1 A to 20 A)	Using Power Meter by Direct Method	0.15 W to 20 KW	2.43 % to 0.36 %
31	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6.1/2 Digital Precision Multimeter by Direct Method	1 mV to 100 mV	0.42 % to 0.009 %
32	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6.1/2 Digital Precision Multimeter by Direct Method	100 mV to 330 V	0.009 % to 0.009 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : CALIBRATION LABORATORY - AAROHI EMBEDDED SYSTEMS PVT LTD, PLOT NO.: G-1004 TO 1008/A, KISHAN GATE NO-3 MAIN ROAD, GIDC METODA, RAJKOT, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3140 **Page No** 7 of 22

Validity 13/08/2022 to 12/08/2024 **Last Amended on** 04/01/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured / Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
33	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	DC Voltage	Using 6.1/2 Digital Precision Multimeter by Direct Method	330 V to 1000 V	0.009 % to 0.006 %
34	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance	Using 6.1/2 Digital Precision Multimeter by Direct Method	0.1 Ohm to 30 Ohm	3.6 % to 0.03 %
35	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance	Using 6.1/2 Digital Precision Multimeter by Direct Method	30 kohm to 30 Mohm	0.016 % to 0.99 %
36	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance	Using 6.1/2 Digital Precision Multimeter by Direct Method	30 Mohm to 1000 Mohm	0.99 % to 2.34 %
37	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance	Using 6.1/2 Digital Precision Multimeter by Direct Method	30 Ohm to 30 kohm	0.03 % to 0.016 %
38	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multi Product Calibrator by Direct Method	10 μ A to 300 mA	0.25 % to 0.014 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : CALIBRATION LABORATORY - AAROHI EMBEDDED SYSTEMS PVT LTD, PLOT NO.: G-1004 TO 1008/A, KISHAN GATE NO-3 MAIN ROAD, GIDC METODA, RAJKOT, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3140 **Page No** 8 of 22

Validity 13/08/2022 to 12/08/2024 **Last Amended on** 04/01/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
39	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multi Product Calibrator and Transconductance Amplifier by Direct Method	10 A to 65 A	0.075 % to 0.035 %
40	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multi Product Calibrator by Direct Method	3 A to 10 A	0.089 % to 0.075 %
41	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Current	Using Multi Product Calibrator by Direct Method	300 mA to 3 A	0.014 % to 0.089 %
42	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Power (1.5V to 1000V , 0.1 A to 20 A)	Using Multi Product Calibrator by Direct Method	0.15 W to 20 kW	0.08 % to 0.11 %
43	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multi Product Calibrator by Direct Method	1 mV to 100 mV	0.355 % to 0.01 %
44	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multi Product Calibrator by Direct Method	100 mV to 330 V	0.01 % to 0.007 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : CALIBRATION LABORATORY - AAROHI EMBEDDED SYSTEMS PVT LTD, PLOT NO.: G-1004 TO 1008/A, KISHAN GATE NO-3 MAIN ROAD, GIDC METODA, RAJKOT, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3140 **Page No** 9 of 22

Validity 13/08/2022 to 12/08/2024 **Last Amended on** 04/01/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured / Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
45	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	DC Voltage	Using Multi Product Calibrator by Direct Method	330 V to 1000 V	0.007%
46	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance	Using Multi Product Calibrator by Direct Method	0.1 Ohm to 30 Ohm	1.19 % to 0.03 %
47	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance	Using Decade Resistance Box by Direct Method	1 kohm to 1 Mohm	0.15 % to 1.63 %
48	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance	Using Decade Resistance Box by Direct Method	1 Mohm to 100 Mohm	1.63 % to 2.61 %
49	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance	Using Decade Resistance Box by Direct Method	10 Ohm to 1 kohm	3.6 % to 0.15 %
50	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance	Using Decade Resistance Box by Direct Method	100 Mohm to 1000 Mohm	2.6%



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : CALIBRATION LABORATORY - AAROHI EMBEDDED SYSTEMS PVT LTD, PLOT NO.: G-1004 TO 1008/A, KISHAN GATE NO-3 MAIN ROAD, GIDC METODA, RAJKOT, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3140 **Page No** 10 of 22

Validity 13/08/2022 to 12/08/2024 **Last Amended on** 04/01/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
51	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance	Using Multi Product Calibrator by Direct Method	270 Mohm to 1000 Mohm	0.69 % to 1.86 %
52	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance	Using Multi Product Calibrator by Direct Method	3 Mohm to 30 Mohm	0.053 % to 0.135 %
53	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance	Using Multi Product Calibrator by Direct Method	30 kohm to 3 Mohm	0.011 % to 0.053 %
54	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance	Using Multi Product Calibrator by Direct Method	30 Mohm to 270 Mohm	0.135 % to 0.69 %
55	ELECTRO-TECHNICAL-DIRECT CURRENT (Source)	Resistance	Using Multi Product Calibrator by Direct Method	30 Ohm to 30 kohm	0.03 % to 0.01 %
56	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Temperature (TC-K Type)	Using Multi Product Calibrator by Simulation Method	(-) 200 °C to 1372 °C	1.33°C



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

CALIBRATION LABORATORY - AAROHI EMBEDDED SYSTEMS PVT LTD, PLOT NO.:
G-1004 TO 1008/A, KISHAN GATE NO-3 MAIN ROAD, GIDC METODA, RAJKOT,
GUJARAT, INDIA

Laboratory Name :

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-3140

Page No

11 of 22

Validity

13/08/2022 to 12/08/2024

Last Amended on

04/01/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
57	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Temperature (RTD)	Using 6.1/2 Digital Precision Multimeter by Simulation Method	(-) 200 °C to 600 °C	0.59°C
58	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Temperature (TC-B Type)	Using Multi Product Calibrator by Simulation Method	600 °C to 1820 °C	1.68°C
59	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Temperature (TC-E Type)	Using Multi Product Calibrator by Simulation Method	250 °C to 1000 °C	0.93°C
60	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Temperature (TC-J Type)	Using Multi Product Calibrator by Simulation Method	(-) 200 °C to 1200 °C	0.35°C
61	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Temperature (TC-N Type)	Using Multi Product Calibrator by Simulation Method	(-) 200 °C to 1300 °C	1.25°C
62	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Temperature (TC-R Type)	Using Multi Product Calibrator by Simulation Method	0 °C to 1750 °C	1.65°C



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : CALIBRATION LABORATORY - AAROHI EMBEDDED SYSTEMS PVT LTD, PLOT NO.: G-1004 TO 1008/A, KISHAN GATE NO-3 MAIN ROAD, GIDC METODA, RAJKOT, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3140 **Page No** 12 of 22

Validity 13/08/2022 to 12/08/2024 **Last Amended on** 04/01/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
63	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Temperature (TC-S Type)	Using Multi Product Calibrator by Simulation Method	2 °C to 1750 °C	1.67°C
64	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Measure)	Temperature (TC-T Type)	Using Multi Product Calibrator by Simulation Method	(-) 200 °C to 400 °C	0.75°C
65	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Temperature (TC-T Type)	Using Multi Product Calibrator by Simulation Method	(-) 100 °C to 400 °C	0.90°C
66	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Temperature (RTD)	Using Multi Product Calibrator by Simulation Method	(-) 200 °C to 600 °C	0.57°C
67	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Temperature (TC - N Type)	Using Multi Product Calibrator by Simulation Method	(-) 200 °C to 1300 °C	1.54°C
68	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Temperature (TC- K Type)	Using Multi Product Calibrator by Simulation Method	(-) 200 °C to 1372 °C	1.02°C



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : CALIBRATION LABORATORY - AAROHI EMBEDDED SYSTEMS PVT LTD, PLOT NO.: G-1004 TO 1008/A, KISHAN GATE NO-3 MAIN ROAD, GIDC METODA, RAJKOT, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3140 **Page No** 13 of 22

Validity 13/08/2022 to 12/08/2024 **Last Amended on** 04/01/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured / Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
69	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Temperature (TC- S Type)	Using Multi Product Calibrator by Simulation Method	2 °C to 1750 °C	1.87°C
70	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Temperature (TC-B Type)	Using Multi Product Calibrator by Simulation Method	600 °C to 1820 °C	1.43°C
71	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Temperature (TC-E Type)	Using Multi Product Calibrator by Simulation Method	250 °C to 1000 °C	1.29°C
72	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Temperature (TC-J Type)	Using Multi Product Calibrator by Simulation Method	(-) 200 °C to 1200 °C	0.47°C
73	ELECTRO-TECHNICAL-TEMPERATURE SIMULATION (Source)	Temperature (TC-R Type)	Using Multi Product Calibrator by Simulation Method	0 °C to 1750 °C	1.83°C
74	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Frequency	Using Universal Frequency Counter/ Timer by Direct Method	100 mHz to 10 MHz	0.6 % to 0.06 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : CALIBRATION LABORATORY - AAROHI EMBEDDED SYSTEMS PVT LTD, PLOT NO.: G-1004 TO 1008/A, KISHAN GATE NO-3 MAIN ROAD, GIDC METODA, RAJKOT, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3140 **Page No** 14 of 22

Validity 13/08/2022 to 12/08/2024 **Last Amended on** 04/01/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
75	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Timer	Using Universal Frequency Counter/ Timer by Direct Method	100 µSec to 1000 Sec	0.061 % to 0.058 %
76	ELECTRO-TECHNICAL-TIME & FREQUENCY (Measure)	Timer	Using Universal Frequency Counter/ Timer by Direct Method	1000 Sec to 9999 Sec	0.058 % to 0.035 %
77	ELECTRO-TECHNICAL-TIME & FREQUENCY (Source)	Frequency	Using Multi Product Calibrator by Direct Method	0.1 Hz to 10 Hz	0.2 % to 0.012 %
78	ELECTRO-TECHNICAL-TIME & FREQUENCY (Source)	Frequency	Using Multi Product Calibrator by Direct Method	10 Hz to 50 Hz	0.012 % to 0.0025 %
79	ELECTRO-TECHNICAL-TIME & FREQUENCY (Source)	Frequency	Using Multi Product Calibrator by Direct Method	50 Hz to 100 KHz	0.0025 % to 0.001 %
80	FLUID FLOW-FLOW MEASURING DEVICES	Digital Water Flow Meter	Using Electro Magnetic Flow Meter By Comparison Method	700 m ³ /hr to 2500 m ³ /hr	0.2% Rdg



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : CALIBRATION LABORATORY - AAROHI EMBEDDED SYSTEMS PVT LTD, PLOT NO.: G-1004 TO 1008/A, KISHAN GATE NO-3 MAIN ROAD, GIDC METODA, RAJKOT, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3140 **Page No** 15 of 22

Validity 13/08/2022 to 12/08/2024 **Last Amended on** 04/01/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
81	FLUID FLOW-FLOW MEASURING DEVICES	Fluid flow -Quantity by Mass (EMF, Rota meter, USFM, Turbine, Oval Gear, Vortex, Orifice Plate, Venturi, Critical flow venturi, Flow Nozzles, Pitot tube, Wedge type, Annubar, Coriolis FM,Thermal, Posi	Using 10000 kg Weighing System by Gravimetric Method as per ISO: 4185	1500 kg to 10000 kg	0.086% rdg
82	FLUID FLOW-FLOW MEASURING DEVICES	Fluid flow- Quantity by Mass (EMF, Rota meter, USFM, Turbine, Oval Gear, Vortex, Orifice Plate, Venturi, Critical flow venturi, Flow Nozzles, Pitot tube, Wedge type, Annubar, Coriolis FM,Thermal, Posi	Using 1500 kg Weighing System by Gravimetric Method as per ISO 4185	300 kg to 1500 kg	0.092% rdg



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : CALIBRATION LABORATORY - AAROHI EMBEDDED SYSTEMS PVT LTD, PLOT NO.: G-1004 TO 1008/A, KISHAN GATE NO-3 MAIN ROAD, GIDC METODA, RAJKOT, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3140 **Page No** 16 of 22

Validity 13/08/2022 to 12/08/2024 **Last Amended on** 04/01/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
83	FLUID FLOW-FLOW MEASURING DEVICES	Fluid flow-Quantity By Mass (EMF, Rota meter, USFM, Turbine, Oval Gear, Vortex, Orifice Plate, Venturi, Critical flow venturi, Flow Nozzles, Pitot tube, Wedge type, Annubar, Coriolis FM,Thermal, Posi.	Using 400 kg Weighing System by Gravimetric Method as per ISO 4185	100 kg to 400 kg	0.08% rdg
84	FLUID FLOW-FLOW MEASURING DEVICES	Liquid (Water Medium) Mass Flow Rate (EMF, Rota meter, USFM, Turbine, Oval Gear, Vortex, Orifice Plate, Venturi, Critical flow venturi, Flow Nozzles, Wedge type, Annubar, Coriolis FM, Thermal, Posi. disp	Using 400 kg Weighing System by Gravimetric Method as per ISO 4185	0.5 t/h to 25 t/h	0.11% rdg



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : CALIBRATION LABORATORY - AAROHI EMBEDDED SYSTEMS PVT LTD, PLOT NO.: G-1004 TO 1008/A, KISHAN GATE NO-3 MAIN ROAD, GIDC METODA, RAJKOT, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3140 **Page No** 17 of 22

Validity 13/08/2022 to 12/08/2024 **Last Amended on** 04/01/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
85	FLUID FLOW-FLOW MEASURING DEVICES	Liquid (Water Medium) Mass Flow Rate (EMF, Rota meter, USFM, Turbine, Oval Gear, Vortex, Orifice Plate, Venturi, Critical flow venturi, Flow Nozzles, Wedge type, Annubar, Coriolis FM, Thermal, Posi. disp	Using 1500 kg Weighing System by Gravimetric Method as per ISO 4185	5 t/h to 125 t/h	0.095% rdg
86	FLUID FLOW-FLOW MEASURING DEVICES	Liquid (Water Medium) Mass Flow Rate (EMF, Rota meter, USFM, Turbine, Oval Gear, Vortex, Orifice Plate, Venturi, Critical flow venturi, Flow Nozzles, Wedge type, Annubar, Coriolis FM, Thermal, Posi. disp	Using 10000 kg Weighing System by Gravimetric Method as per ISO 4185	50 t/h to 1000 t/h	0.11% rdg



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : CALIBRATION LABORATORY - AAROHI EMBEDDED SYSTEMS PVT LTD, PLOT NO.: G-1004 TO 1008/A, KISHAN GATE NO-3 MAIN ROAD, GIDC METODA, RAJKOT, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3140 **Page No** 18 of 22

Validity 13/08/2022 to 12/08/2024 **Last Amended on** 04/01/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
87	FLUID FLOW-FLOW MEASURING DEVICES	Liquid Volume Flow Rate (EMF, Rota meter, USFM, Turbine, Oval Gear, Vortex, Orifice Plate, Venturi, Critical flow venturi, Flow Nozzles, Wedge type, Annubar, Coriolis FM,Thermal, Posi. dis	Using 400 kg Weighing System by Gravimetric Method as per ISO 4185	0.5 m3/h to 25 m3/h	0.11% rdg
88	FLUID FLOW-FLOW MEASURING DEVICES	Liquid Volume Flow Rate (EMF, Rota meter, USFM, Turbine, Oval Gear, Vortex, Orifice Plate, Venturi, Critical flow venturi, Flow Nozzles, Pitot tube, Wedge type, Annubar, Coriolis FM,Thermal, Posi. dis	Using 10000 kg Weighing System by Gravimetric Method as per ISO 4185	50 m3/h to 1000 m3/h	0.12% rdg



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : CALIBRATION LABORATORY - AAROHI EMBEDDED SYSTEMS PVT LTD, PLOT NO.: G-1004 TO 1008/A, KISHAN GATE NO-3 MAIN ROAD, GIDC METODA, RAJKOT, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3140 **Page No** 19 of 22

Validity 13/08/2022 to 12/08/2024 **Last Amended on** 04/01/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
89	FLUID FLOW-FLOW MEASURING DEVICES	Liquid(Water) Volume Flow Rate (EMF, Rota meter, USFM, Turbine, Oval Gear, Vortex, Orifice Plate, Venturi, Critical flow venturi, Flow Nozzles, Pitot tube, Wedge type, Annubar, Coriolis FM,Thermal, Posi. dis	Using 1500 kg Weighing System by Gravimetric Method as per ISO 4185	5 m ³ /hr to 125 m ³ /hr	0.093% rdg
90	FLUID FLOW-FLOW MEASURING DEVICES	Quantity by Volume (EMF, Rota meter, USFM, Turbine, Oval Gear, Vortex, Orifice Plate, Venturi, Critical flow venturi, Flow Nozzles, Wedge type, Annubar, Coriolis FM,Thermal, Posi. Disp.)	Using 400 kg Weighing System by Gravimetric Method as per ISO 4185	100 L to 400 L	0.11% rdg



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

CALIBRATION LABORATORY - AAROHI EMBEDDED SYSTEMS PVT LTD, PLOT NO.: G-1004 TO 1008/A, KISHAN GATE NO-3 MAIN ROAD, GIDC METODA, RAJKOT, GUJARAT, INDIA

Laboratory Name :

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3140

Page No

20 of 22

Validity 13/08/2022 to 12/08/2024

Last Amended on

04/01/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
91	FLUID FLOW-FLOW MEASURING DEVICES	Quantity by Volume (EMF, Rota meter, USFM, Turbine, Oval Gear, Vortex, Orifice Plate, Venturi, Critical flow venturi, Flow Nozzles, Pitot tube, Wedge type, Annubar, Coriolis FM,Thermal, Posi. Disp.	Using 1500 kg Weighing System by Gravimetric Method as per ISO 4185	300 L to 1500 L	0.092% rdg
92	FLUID FLOW-FLOW MEASURING DEVICES	Quantity by Volume (EMF, Rota meter, USFM, Turbine, Oval Gear, Vortex, Orifice Plate, Venturi, Critical flow venturi, Flow Nozzles, Pitot tube, Wedge type, Annubar, Coriolis FM,Thermal, Posi. Disp.)	Using 10000 kg Weighing System by Gravimetric Method as per ISO 4185	1500 L to 10000 L	0.12% rdg
93	MECHANICAL-ACCELERATION AND SPEED	Tachometer(Non-Contact Type)	Using Digital Tachometer by Comparison method	10 RPM to 10,000 RPM	2 % to 0.01 %
94	MECHANICAL-ACCELERATION AND SPEED	Tachometer (Contact Type)	Using Contact/surface speed Digital Tachometer by Comparison method	10 RPM to 4500 RPM	2 % to 0.015 %



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : CALIBRATION LABORATORY - AAROHI EMBEDDED SYSTEMS PVT LTD, PLOT NO.: G-1004 TO 1008/A, KISHAN GATE NO-3 MAIN ROAD, GIDC METODA, RAJKOT, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3140 **Page No** 21 of 22

Validity 13/08/2022 to 12/08/2024 **Last Amended on** 04/01/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
95	MECHANICAL-PRESSURE INDICATING DEVICES	Hydraulic Pressure:Digital & Dial Pressure Gauge, Pressure Modules & Pressure Transmitter with indicator	Digital Pressure Transducer with Pressure Indicator using Hydraulic Pressure Comparator by Comparison Method based on DKD-R 6-1	40 Bar to 100 Bar	0.33%
96	MECHANICAL-PRESSURE INDICATING DEVICES	Hydraulic Pressure:Digital & Dial Pressure Gauge, Pressure Modules & Pressure Transmitters with indicator	Digital Pressure Transducer with Pressure indicator using Hydraulic Pressure Comparator by Comparison Method based on DKD- R 6-1	100 Bar to 160 Bar	0.05 % to 0.1 %
97	MECHANICAL-PRESSURE INDICATING DEVICES	Hydraulic Pressure:Digital & Dial Pressure Gauge,Pressure Modules & Pressure Transmitters with indicator	Digital Pressure Transducer with Pressure indicator using Hydraulic Pressure Comparator by Comparison Method based on DKD- R 6-1	0.1 Bar to 40 Bar	2 % to 0.19 %
98	MECHANICAL-PRESSURE INDICATING DEVICES	Pressure Pneumatic : Digital & Dial Vacuum Gauge, Vacuum Transmitter with indicator	Digital Pressure Transducer with Indicator using Pneumatic Comparator by Comparison Method as per DKD-R 6-1	(-) 0.01 Bar to (-) 0.95 Bar	0.1%



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

CALIBRATION LABORATORY - AAROHI EMBEDDED SYSTEMS PVT LTD, PLOT NO.: G-1004 TO 1008/A, KISHAN GATE NO-3 MAIN ROAD, GIDC METODA, RAJKOT, GUJARAT, INDIA

Laboratory Name :

Accreditation Standard ISO/IEC 17025:2017

Certificate Number CC-3140

Page No

22 of 22

Validity 13/08/2022 to 12/08/2024

Last Amended on

04/01/2023

S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrument	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
Site Facility					
1	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance	Using Digital Earth Resistance Tester by Direct Method	0.1 Ohm to 10 Ohm	3.5 % to 0.03 %
2	ELECTRO-TECHNICAL-DIRECT CURRENT (Measure)	Resistance	Using Digital Earth Resistance Tester by Direct Method	10 Ohm to 1000 Ohm	0.03 % to 0.011 %
3	FLUID FLOW-FLOW MEASURING DEVICES	Digital and Analog Water Flow Meter (Range DN 100 - DN 4000)	Portable Ultrasonic Flow meter & Clamp on sensors by comparison method	211 m3/hr to 2500 m3/hr	1.0% Rdg
4	FLUID FLOW-FLOW MEASURING DEVICES	Digital and Analog Water Flow Meter (Range DN 50 - DN 300)	Portable Ultrasonic Flow meter & Clamp on sensors by comparison method	30 m3/hr to 1280 m3/hr	1.0% Rdg
5	FLUID FLOW-FLOW MEASURING DEVICES	Digital or Analog Water Flow Meter (Range: DN15 - DN 65)	Portable Ultrasonic Flow meter & Clamp on sensors by comparison method	1 m3/hr to 93 m3/hr	1.0% Rdg

* CMCs represent expanded uncertainties expressed at approximately the 95% level of confidence, using a coverage factor of k = 2.