



Certificate No. : CC-2640

ELECTRICAL RESEARCH AND DEVELOPMENT ASSOCIATION

(Accredited by the National Accreditation Board for Testing and Calibration Laboratories, Govt. of India)

R-336, TTC Industrial Area, Thane - Belapur Road, MIDC, Rabale, Navi Mumbai - 400 701.

EPABX : + 91 (022) 27606212 / 13 / 14

E-mail : erdarab@erda.org

Web : http://www.erda.org



ULR - CC264019000011478F

CALIBRATION CERTIFICATE OF AC/DC DIGITAL CLAMP METER

CERTIFICATE NO. : RP-1920-000854
DATE : 08.04.2019

SHEET NO. : 1 OF 2
CALIBRATED ON : 08.04.2019
RECOMMENDED RECALIBRATION DATE: 07.04.2020

1.0 NAME & ADDRESS OF CUSTOMER

: M/s. Hatco Industriels
"Hazari House",
197/201, Dr. Cawasji Hormusji Street,
Dhobi Talao, Parsi Dairy Signal,
Mumbai - 400 002,
Maharashtra

2.0 CUSTOMER'S REFERENCE NO.

: E-Mail Dated 28.03.2019

3.0 SAMPLE RECEIVED ON

: 03.04.2019

4.0 DESCRIPTION & IDENTIFICATION OF ITEM

NAME : AC/DC DIGITAL CLAMP METER
MAKE : HTC INSTRUMENTS
MODEL : CL-2055
RANGE: RESISTANCE : 0-10k OHM
DC/AC VOLTAGE : 0-600 V
AC/DC CURRENT : 0-10/80/80-100 A

ACCURACY : --
SR.NO. : 190104832
RESOLUTION : Please refer U.U.C. Readings
ERDA SAMPLE CODE.: ERDA-00310027

5.0 AMBIENT TEMPERATURE RELATIVE HUMIDITY

: (25 ± 2.0)°C
: (45% - 75%)RH

6.0 MAJOR EQUIPMENTS USED FOR CALIBRATION :

SR. NO.	NAME	RANGE	ERDA SR. NO.	Uncertainty at 95% Confidence Level
1	UNIVERSAL CALIBRATION SYSTEM	10µA - 990A DC	R0006	±0.003% to ±0.013%
		100µA - 950A AC		±0.020% to ±0.036%

7.0 PROCEDURE

: RAB/CAL/002

CHECKED BY

NITIN DOSHI
APPROVED BY

NOTE

- 1.0 This certificate relates only to the particular item(s) received for calibration in good condition at ERDA.
- 2.0 This certificate shall not be reproduced, except in full, without permission of the Director, ERDA.
- 3.0 The calibration results reported in the certificate are valid at the time of and under stated conditions of measurements.
- 4.0 In case of any dispute, Vadodara will be the exclusive jurisdiction & shall be construed as where the cause has arisen.

CC 0033819





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DATE: 08.04.2019

SHEET: 2 OF 2

RANGE : 10 A DC

U.U.C. Reading	Standard Meter Rdg.	% Error Of Rdg.	Expanded Uncertainty At 95% Confidence Level \pm (%)
(A)	(A)		
0.011	10.00 m	10.00	5.25
0.026	25.00 m	4.00	2.81
0.049	50.00 m	-2.00	1.49
0.093	100.0 m	-7.00	0.79
0.487	500.0 m	-2.60	0.12
0.981	1.000	-1.90	0.09
4.934	5.000	-1.32	0.03
9.844	10.000	-1.56	0.03

RANGE : 10 A AC, 50Hz

U.U.C. Reading	Standard Meter Rdg.	% Error Of Rdg.	Expanded Uncertainty At 95% Confidence Level \pm (%)
(A)	(A)		
0.048	50.0 m	-4.00	0.59
0.098	100.0 m	-2.00	0.17
0.502	500.0 m	0.17	0.07
0.999	1.000	0.07	0.03
4.935	5.000	0.03	0.03
9.845	10.000	0.03	0.00

- NOTE:**
- Standard used for calibration was calibrated with reference standard traceable to NPL, New Delhi vide report no. CALCERT-3879 Dated 26.07.2018 valid for one year.
 - The reported expanded uncertainty in measurement is stated as the standard uncertainty in measurement multiplied by the coverage factor $k=2$, which for a normal distribution corresponds to a coverage probability of approximately 95%.
 - Accuracy was not specified by customer.
 - U.U.C.: Unit Under Calibration.
 - Calibration was carried out as requested by customer.
 - DC Current 10 A range was calibrated from 10mA DC to 10A DC and AC Current 10 A range was calibrated from 50mA to 10A AC as requested by customer.
 - A sticker indicating "CALIBRATION STATUS" as given below has been fixed on the U.U.C.

Mfg. Spec.	<input type="checkbox"/>	User Spec.	<input checked="" type="checkbox"/>	Full Cal.	<input type="checkbox"/>
Partial Cali.	<input checked="" type="checkbox"/>	Within Cal.	<input type="checkbox"/>	Out of Spec.	<input type="checkbox"/>
Use Cal. Value	<input checked="" type="checkbox"/>				

CHECKED BY

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