

(Accredited by the National Accreditation Board for Testing and Calibration Laboratories, Govt. of India)
ERDA Road, Makarpura Industrial Estate, Vadodara-390 010, India.

EPABX : +91 (0265) 2642942, 2642964, 2642377, 3043128 / 29 / 30 / 31 / 33

Fax : +91 (0265) 2638382 E-mail : erda@erda.org

Web : http://www.erda.org





TEST REPORT

SHEET: 1 OF 4

NAME & ADDRESS OF CUSTOMER		TEST REPORT NO. : RP-1516-015955 DATE : 27.07.2015		
MRM PROCOM PVT. LTD. Plot No. 20-21, Industrial Estate, Sector-59, Phase-II,		CUSTOMER REF. NO.: DATE: Nil 07.07.20:		
		DATE OF SAMPLE DATE OF RECEIPT TESTING		
Faridabad-12 Haryana.	1004,	08.07.2015	09.07.2015 to 18.07.2015	
SAMPLE DE	SCRIPTION	SAMPLE IDENTIFICATION	ON	
CURRENT TRA		SR. NO. : 201507042	2	
RATIO BURDEN	: 300/5 A : 5 VA	ERDA-00098802). :	
CLASS H.S.V./I.L. FREQUENCY	**************************************	DRAWING NO.: MRM/CT/300-5-1.0/0715/ SHEET NO.: 02	02 REV00	
Insulation Cla	: NC/BPL	ENCLOSURE : Annexure-I (As per she	et 1 of 1)	

TEST DETAILS & TEST SPECIFICATION ARE AS PER SHEET NO. 2 OF 4.

TEST RESULTS: As per sheet: 3 of 4 to 4 of 4.

REMARKS: The sample **conforms** to the requirements of the mentioned

standard as mentioned in tests no. 1 to 6 on sheet no. : 2 of 4.

PREPARED BY

TOME

CHECKED BY

(S.B.PATEL)

Note: 1. This report relates only to the particular sample received in good condition for testing at ERDA.

This report cannot be reproduced in part under any circumstances.

3. Publication of this report requires prior permission in writing from Director, ERDA.

4. Only tests asked for by the customer have been carried out.

In case of any dispute, Vadodara will be the exclusive jurisdiction & shall be construed as where the cause has arised.

Caution: ERDA is not responsible for the authenticity of photocopied or reproduced test reports. ERDA provides support to customers for verification of the authenticity of test reports issued by ERDA.





(Accredited by the National Accreditation Board for Testing and Calibration Laboratories, Govt. of India) ERDA Road, Makarpura Industrial Estate, Vadodara-390 010, India.

EPABX : +91 (0265) 2642942, 2642964, 2642377, 3043128 / 29 / 30 / 31 / 33

Fax : +91 (0265) 2638382

E-mail : erda@erda.org

Web: http://www.erda.org





SHEET: 2 OF 4

TEST REPORT NO. : RP-1516-015955

27 27 2245

DATE

: 27.07.2015

TEST DETAILS & TEST SPECIFICATION:

Sr.	TESTS	REFERENCE STANDARD
No.		
1.	Verification of terminal marking and polarity.	Cl. No. 9.2 of IS 2705 (Part 1): 1992
2.	Power frequency dry withstand test on primary winding.	Cl. No. 9.3 of IS 2705 (Part 1): 1992
3.	Power frequency dry withstand test on secondary winding.	Cl. No. 9.4 of IS 2705 (Part 1): 1992
4.	Over voltage inter-turn test.	Cl. No. 9.5 of IS 2705 (Part 1): 1992
5.	Determination of errors according to the requirements of the appropriate accuracy class.	Cl. No. 7.2.1 of IS 2705 (Part 2): 1992
6.	Temperature rise test.	Cl. No. 9.7 of IS 2705 (Part 1): 1992

PREPARED BY

CHECKED BY





(Accredited by the National Accreditation Board for Testing and Calibration Laboratories, Govt. of India) ERDA Road, Makarpura Industrial Estate, Vadodara-390 010, India.

EPABX: +91 (0265) 2642942, 2642964, 2642377, 3043128 / 29 / 30 / 31 / 33

Fax : +91 (0265) 2638382

E-mail : erda@erda.org

Web: http://www.erda.org



TEST REPORT NO.: RP-1516-015955

SHEET: 3 OF 4

DATE

: 27.07.2015

TEST RESULTS:

1. Verification of terminal marking and polarity.

(Cl. No. 9.2 of IS 2705 (Part 1): 1992)

Primary winding terminals

: P1-P2

Secondary windings terminals: S1-S2

Terminal marking & polarity was found Ok.

Terminal marking was found marked clearly & Indelibly.

REMARK: Conforms

2. Power frequency dry withstand test on primary winding.

(Cl. No. 9.3 of IS 2705 (Part 1): 1992)

The power frequency voltage of 3 kV rms was applied between the primary winding terminals and earth for one minute duration. The secondary windings terminals were connected together to earth.

The sample withstood the test voltage without any disruptive discharge.

REMARK: Conforms

3. Power frequency dry withstand test on secondary winding. (Cl. No. 9.4 of IS 2705 (Part 1): 1992)

The power frequency voltage of 3 kV (rms) was applied between the secondary windings terminals (all) connected together and the earth. The primary winding terminals were shorted and connected to the earth. The test voltage was applied for one minute. There was no disruptive discharge observed.

The sample withstood the test voltage satisfactorily.

REMARK: Conforms

4. Over voltage inter-turn test. (Cl. No. 9.5 of IS 2705 (Part 1): 1992)

With the primary winding open circuited, a voltage at rated frequency was applied to the secondary winding terminals (S1-S2) such as to produce a secondary limiting current of rms value equals to rated secondary current (i.e. 5 amp.) for one minute.

The sample withstood the applied voltage satisfactorily for one minute.

REMARK: Conforms

PREPARED BY

CHECKED BY

1753162



(Accredited by the National Accreditation Board for Testing and Calibration Laboratories, Govt. of India) ERDA Road, Makarpura Industrial Estate, Vadodara-390 010, India.

EPABX: +91 (0265) 2642942, 2642964, 2642377, 3043128 / 29 / 30 / 31 / 33

Fax : +91 (0265) 2638382

E-mail: erda@erda.org

Web: http://www.erda.org





TEST REPORT NO.: RP-1516-015955

DATE : 27.07.2015

SHEET: 4 OF 4

5. <u>Determination of errors according to the requirements of the appropriate accuracy class.</u> (Cl. No. 7.2.1 of IS 2705 (Part 2): 1992)

PHASE ANGLE	RATIO ERROR	% OF RATED	RATIO ERROR	PHASE ANGLE
ERROR IN MIN.	IN %	CURRENT	IN %	ERROR IN MIN.

RATIO: 300/5 A, BURDEN: 5 VA, CLASS: 1.0

BURDEN: 100 %	at 0.8 Lag. P. F.		BURDEN: 25	% at U. P. F.
3.47	0.024	120	0.377	8.64
4.43	-0.013	100	0.364	9.29
13.19	-0.451	20	0.137	18.75
30.76	-1.389	5	-0.280	42.07

REMARK: Conforms

6. Temperature rise test. (Cl. No. 9.7 of IS 2705 (Part 1): 1992)

A Continuous rated thermal current equals to 120% (i. e. 300 A*1.2=360 A) of the primary current at rated frequency was circulated in the primary winding of the CT. Rated burden (i.e. 5 VA) was connected to the secondary winding terminals (i.e., S1-S2) of the CT. At steady state, temperature of the body and ambient temperature were recorded. The resistances of secondary winding were measured immediately after shut down and temperature rise calculated.

The temperature rises so obtained were as follows:

Sr.	Temperature rise of :	Specified limit for temperature	Obtained value :
no.	9	rise test.	
1.	Secondary winding (Resistance method)	70 °C	S1-S2: 17.22 °C
2.	Body (Thermocouple method)	70 °C	9.1 °C
3.	Ambient temperature	40 °C	34.6 °C

REMARK: Conforms

PREPARED BY

CHECKED BY





(Accredited by the National Accreditation Board for Testing and Calibration Laboratories, Govt. of India) ERDA Road, Makarpura Industrial Estate, Vadodara-390 010, India.

EPABX : +91 (0265) 2642942, 2642964, 2642377, 3043128 / 29 / 30 / 31 / 33

Fax : +91 (0265) 2638382

E-mail : erda@erda.org
Web : http://www.erda.org



Annexure-I

TEST REPORT NO.: RP-1516-015955

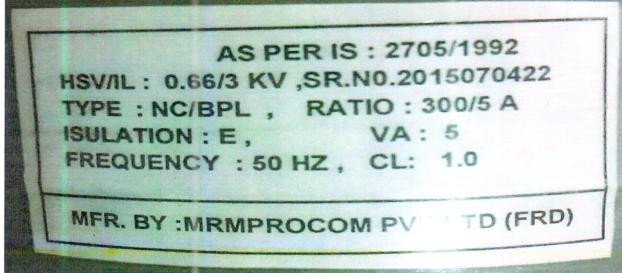
DATE : 27.07.2015

SHEET: 1 OF 1

PHOTOGRAPHS OF TEST SAMPLE







753134

PREPARED BY

CHECKED BY



