ELECTRICAL RESEARCH AND DEVELOPMENT ASSOCIATION
(Accredited by the National Accreditation Board for Testing and Calibration Laboratories, Govt. of India)
P. B. 760, ERDA Road, Makarpura Industrial Estate, Vadodara-390 010, India. Gram : ELECSEARCH
EPABX : +91 (0265) 2642942, 2642964, 2642377, 2642557, 2635300, 2635253, 2657784, 2657785.
Fax : +91 (0265) 2638382. E-mail : erda@erda.org , dir@erda.org , adir@erda.org

TEST REPORT

NAME & ADDRESS OF CUSTOMER	REPORT NO.: EE/MTR/02/176 DATE: 25/5/2006	
RISHABH INSTRUMENTS PVT. LTD., F-31, MIDC, SATPUR, NASIK, Pin - 422 007	CUSTOMER REF No.: NIL dtd.: 17/5/2006	
	DATE OF SAMPLE RECEIPT	DATE OF TESTING
	17/5/2006	17/5/2006

SAMPLE DESCRIPTION	SAMPLE IDENTIFICATION	
Analog-Digital Multimeter Make : Rishabh Model : *RISH Multi* 15S Measurement Category:1000V CAT III/600V CAT IV	SR.NO. 280310	ERDA CODE NO. EMTRWO0041014/1

TEST DETAILS	TEST SPECIFICATION
1.Impulse voltage test	Test as per IEC: 61010-1:2001

REMARK- The above multi-meter conforms to the requirements in respect of the test carried out.

WITNESSED BY: Mr. Amol A. Deshmukh, (Sr.Engineer), M/s.RISHABH INSTRUMENTS PVT. LTD

NOTE - 1) Only the test asked by the customer has been carried out.

PREPARED BY	CHECKED BY	APPROVED BY

Note : 1. This report relates only to the particular sample received in good condition for testing at ERDA.
2. 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 the tests asked for by the party have been carried out.

No. 1501872

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Sr. No.	Particular of tests & Cl. No.	Requirement as per specification	Obtained value	Remarks
1)	**Impulse voltage test** (Cl. no. 14.9 of IEC: 61010-1:2001)			Conform
	a) Impulse voltage test	Any over voltage limiting component or circuit shall withstand 10 positive and 10 negative impulses with the applicable impulse withstand voltage (peak value 8 kV) spaced upto 1 minute apart, from a 1.2/50 micro second impulse generator. The generator shall produce an open-circuit voltage waveform of 1.2/50 microseconds, a short circuit current waveform of 8/20 microseconds, with output impedance 2Ω. After the test there shall be no sign of overload, nor degradation of performance of a component.	The multi-meter was subjected to impulse voltage test with selector switch kept on ac voltage position. The impulse voltage was applied between the voltage terminals. The multi-meter withstood all shots in both the polarities. After the test the multi-meter operated satisfactorily.	

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