



MET Laboratories, Inc. Safety Certification - EMI - Telecom - Environmental Simulation - NEBS
914 WEST PATAPSCO AVENUE • BALTIMORE, MARYLAND 21230-3432 • PHONE (410) 919-1802 • FAX (410) 354-3313

January 10, 2012

Mr. Bernt Lorentz
BERNT LORENTZ GMBH & CO. KG
Kroegerskoppel 7
24558 Henstedt - Ulzburg
Germany

Subject: AC Power Pack; Models PP600H & PP2000
Listing Number E113146; MET Project Number 60043
Safety Standards: • UL 1012, Eighth Edition: Power Units Other Than Class 2
• CSA C22.2 No.107.1, Third Edition: General Use Power Supplies

Dear Mr. Lorentz:

Congratulations on successfully completing the MET Certification process for the AC Power Pack; Models PP600H & PP2000. BERNT LORENTZ GMBH & CO. KG may begin to apply the MET Mark on the above stated product at this time in accordance with the MET Mark Utilization Agreement or the MET Applicant Contract. The reports covering the above stated product will be forthcoming.

Production line testing is required. Refer to the attached excerpt from the report. It is your responsibility to make sure you understand the requirements imposed on manufacturing before the MET certification mark can be applied. If you have any questions, please contact your project engineer prior to producing and labeling the first product.

Thank you for the opportunity to perform this service for BERNT LORENTZ GMBH & CO. KG. We look forward to future opportunities with your company.

Sincerely,

MET LABORATORIES, INC.

Rick Cooper
Director of Laboratory Operations,
Safety Laboratory



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MANUFACTURER'S RESPONSIBILITIES

Upon completion of the manufacturing process the product mentioned herein shall be subjected to, and successfully pass, the following test: Dielectric Voltage Withstand Test. The requirements for the test are as follows:

Dielectric Voltage Withstand Test:

Each complete unit shall be capable of withstanding, without electrical breakdown, the application of a continuous sinusoidal or direct current voltage between uninsulated live parts and accessible dead metal parts that are likely to become energized in accordance with one of the following methods.

The mains power transformer, transformer on Motor Controller, Motor were evaluated for the application and is not under a third-party surveillance program. The end-product manufacturer must test each mains power transformer, either before or after installation in the end product, to withstand without electrical breakdown the application of an ac or dc voltage between the primary winding and secondary winding.

Circuit Rating	Component Tested	Circuit Tested	Method A			Method B		
			Voltage (VAC)	Voltage (VDC)	Time (sec)	Voltage (VAC)	Voltage (VDC)	Time (sec)
Up to 250 V	Main unit	Primary to Ground	1000	1400	60	1200	1700	1
Up to 250 V	Mains Transformer	Primary to Secondary	2500	-	60	3000	-	1

Dielectric Voltage Withstand tests must be recorded for each product. That record can be a traveler, production record, or log sheet as long as the test can be traced to a product item, and that the pass, failure, and as required retest is reflected.

Equipment used for other required tests must also be calibrated, and tests must be documented as with the above tests.

The manufacturer is required to record the production line test results. The data recorded is to include the type of test, date of test, serial number of the product, indications of pass, fail, or retest, test equipment utilized, calibration date of test equipment utilized, and the initials or signature of the test technician. Test records shall be required to be maintained from factory follow-up audit to factory follow-up audit and must be available for the inspectors' review. Records may be in the form of travelers, logs, computer files, or other such suitable documentation method.