TEST RESULTS
FOR ELECTRIC STRENGTH TEST

Report Reference No. ..... :	8912358954
Tested by (name and signature) ..... :	SERGEY VOYTENKO .....
Approved by (name and signature) ..... :	MICHAEL TERMAN .....
Date of issue ..... :	1/11/2009
Contents ..... :	4 pages
Testing Laboratory ..... :	The Standards Institution of Israel
Address ..... :	42 Chaim Levanon St., Tel Aviv 69977, Israel
Applicant's name ..... :	SATEC Powerful Solutions
Address ..... :	Har Hotzvim Industrial Park, P.O.B. 45022, Jerusalem 91450, Israel
Test specification:	
Test procedure ..... :	Electric strength test according to the method specified in IEC/EN/UL61010-1 standard
Test item description ..... :	Power meter
Model/Type reference ..... :	PM 130EH PLUS, ELNET^{LT}
Rating(s) ..... :	Input: 230Vac / 400Vac, 50Hz, 3 Phases
Testing ..... :	
Date of receipt of test item ..... :	19/10/2009
Date (s) of performance of tests ..... :	19/10/2009, 29/10/2009
Testing summary ..... :	Models PM 130EH PLUS and ELNET^{LT} have been subjected to electric strength tests, as shown on page 2 of this report. Measuring voltages and supply voltages were assumed as 230Vac, Measuring Category III. No breakdown occurred during testing on model PM 130EH PLUS - PASS Breakdown occurred during testing on model ELNET^{LT} - FAIL Refer to test results on the next page.

TEST RESULTS

Equipment under test:

Model PM 130EH PLUS and model ELNET^{LT}

consisting of a plastic enclosure, keypad, display, AC mains supply terminals (L, N), AC measuring terminals L1,L2/L3/N or V1/V2/V3/N, and low voltage interface terminals "+", "-" for communication port RS485.

Environmental conditions: 25.2°C, 49% RH

Test method:

Electric strength potential was gradually increased from zero to the test potential. The voltage was applied and maintained for a period of one minute between the points indicated below.

Model PM 130EH PLUS:

No.	Location		Potential Used (V) [√] dc	Result
	From	To		
1	L1/L2/L3/N	Ground	3130 Vdc	No breakdown
2	L/N	Ground	3130 Vdc	No breakdown
3	L1/L2/L3/N	metal foil on display / keypad / plastic enclosure	5000 Vdc	No breakdown
4	L1/L2/L3/N	RS485	5000 Vdc	No breakdown
			VERDICT:	PASS

Model ELNET^{LT}:

No.	Location		Potential Used (V) [√] dc	Result
	From	To		
1	V1/V2/V3/N	RS485	5000 Vdc	Breakdown occurred at 2970Vdc
2	V1/V2/V3/N	metal foil on display / keypad / plastic enclosure	5000 Vdc	No breakdown
			VERDICT:	FAIL

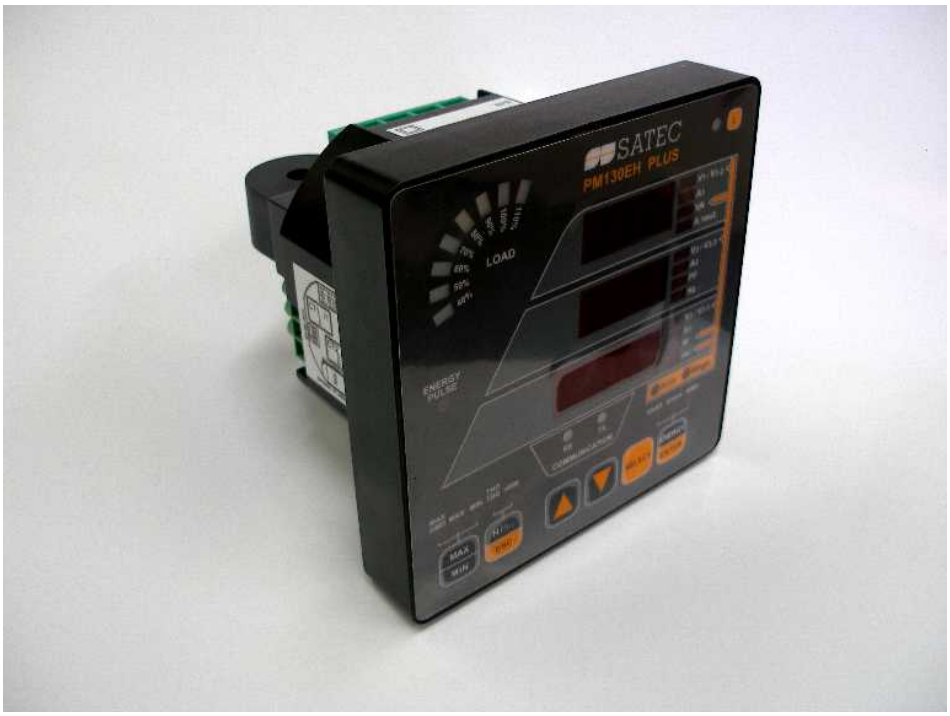
Test instruments						
SII Ref. No.	Instrument Type	Manufacturer	Model	Calibration Date		SII Location
				Last	Due	
5971	Electrical Safety Tester	Associated research	3670	08/09	08/10	Telem. Lab
560339	Hygro-Thermometer	Extech Instruments	445703	08/09	08/10	Telem. Lab

Tested by:

Sergey Voytenko
Testing Engineer

PHOTOGRAPHS

Fig. 1 Model PM 130EH PLUS



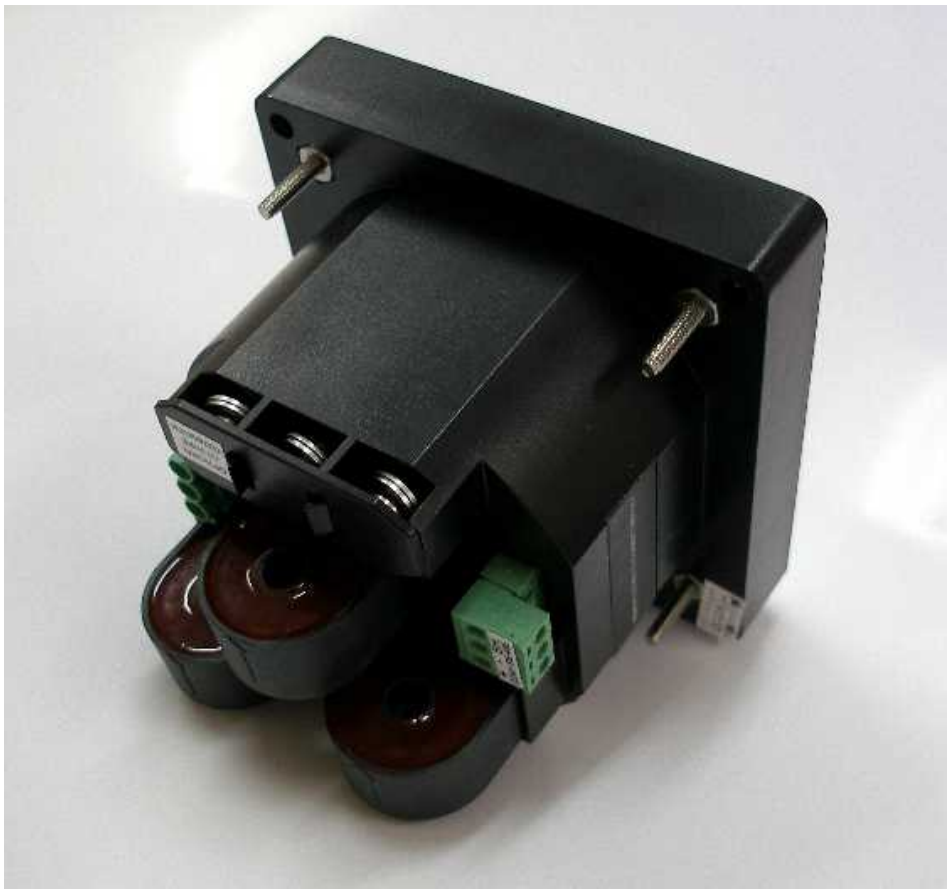


Fig. 2 Model ELNET^{LT}