

EMC Tests Certification per IEC 61000-6-2

Approved to ISO/IEC 17025



EMC Test Certificate



Certificate No	Page	Date of Issue
K72790.01	1	01 May 2007

Applicant	Satec Ltd.
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Tested to	CISPR 22: 2005, Class A EN 61000-6-2: 2001 IEC 61000-4-2: 2001	Air Discharge, 8kV Contact Discharge, 4kV (80-1000 MHz), 10V/m 80% A.M. by 1kHz
	IEC 61000-4-3: 2006	2kV Power Lines, 1kV Signal Lines COM. Mode; 1kV, Dif. Mode; 1kV Power Lines 2kV Signal lines
	IEC 61000-4-4: 2004 IEC 61000-4-5: 2005	(0.15-80 MHz) 10VRMS, 80% A.M. by 1kHz Power and Signal Lines 30A/m, 50Hz
	IEC 61000-4-6: 2006 IEC 61000-4-8: 2001	

Certified Product

E.U.T.	Power Meter
Model:	PM130EH PLUS*
Serial No.:	Not Designated

* See customer's declaration dated 18 April 2007 in ITL test report no. E72790.00.

This is to certify that the product specified herein has been tested and found compliant with the requirements noted above.

Signature: _____
D. Yadidi
EMC Test Engineer

Signature: _____
I. Raz
EMC Laboratory Manager

ITL091 Rev 1.6 26/06/05

I.T.L. (Product Testing) Ltd.

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א.י.ט.ל. (בטיחות מוצרים) בע"מ

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4. Summary of Test Results

Test	Results
Conducted Emissions CISPR 22: 2005 Class A	<p>The E.U.T met the performance requirements of the specification.</p> <p>The margin between the emission levels and the specification limit was, in the worst case, 10.9 dB for the phase line at 0.51 MHz and 10.7 dB for the neutral line at 0.64 MHz.</p>
Radiated Emissions CISPR 22: 2005 Class A	<p>The E.U.T met the performance requirements of the specification.</p> <p>The margin between the emission level and the specification limit was 6.4 dB in the worst case at the frequency of 182.20 MHz, vertical polarization.</p>
ESD IEC 61000-4-2: 2001 Air Discharge, 8kV Contact Discharge, 4kV	<p>The E.U.T met the performance requirements of the specification.</p>
Radiated Immunity (80-1000 MHz) IEC 61000-4-3: 2006 10 V/m, 80% A.M. by 1kHz	<p>The E.U.T met the performance requirements of the specification.</p>
EFT/B IEC 61000-4-4: 2004 2kV Power lines, 1kV Signal lines	<p>The E.U.T met the performance requirements of the specification.</p>



Summary of Test Results (cont'd.)

Test	Results
Conductive Surges IEC 61000-4-5: 2005 Differential mode; 1kV Signal lines, 2kV	The E.U.T met the performance requirements of the specification.
Conducted Disturbances (0.15-80 MHz) IEC 61000-4-6: 2006 10 VRMS, 80% A.M. by 1kHz	The E.U.T met the performance requirements of the specification.
Immunity to Magnetic Field IEC 61000-4-8: 2001 30 A/m, 50Hz	The E.U.T met the performance requirements of the specification.



מעבדות לתקנים בינלאומיים בישראל

APPROVED TO ISO/IEC 17025

I.T.L (PRODUCT TESTING) Ltd.

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TO: Satec Ltd.
ATT: Dany Shacked
FROM: Moshe Henig
DATE: 22 July 2007

Model: Power Meter PM130EH PLUS*

Dear Danny

This is to confirm that the subject product has been submitted to us for engineering evaluation for STD: IEC 62052-11

The following test were performed:

1. Insulation Impulse Voltage.
2. 6kV surge 1.2/50 signals with - source impedance of 500 Ohm+/- 50 Ohm
Impulse was applied 10 times one polarity and then repeated with the other polarity.
3. No failures were observed during the above test.

ITL is an independent test laboratory, certified to ISO/IEC 17025:1999, ISO9002 and EN45001.

International agencies and institutions that certified ITL include ISRAC, UL, MET, FCC, Industry Canada, A2LA, TUV, MedCert, and NATA.

*Model PM130EH PLUS is Identical to PM130P PLUS See customer declaration.

Moshe Henig Dipl. Ing. SMIEEE NCE
Senior Compliance Engineer

Elie Avital BSEE MBA
Safety division Director