

**THE AMERICAN
ASSOCIATION
FOR LABORATORY
ACCREDITATION**

ACCREDITED LABORATORY

A2LA has accredited

STANDARD INSTITUTION OF ISRAEL
Tel Aviv, ISRAEL


for technical competence in the field of

Electrical Testing

The accreditation covers the specific tests and types of tests listed on the agreed scope of accreditation. This laboratory meets the requirements of ISO/IEC 17025 - 1999 "General Requirements for the Competence of Testing and Calibration Laboratories" and any additional program requirements in the identified field of testing.

Presented this 6th day of September 2005.





President
For the Accreditation Council
Certificate Number 1487.01
Valid to January 31, 2007
Revised October 31, 2006

For tests or types of tests to which this accreditation applies,
please refer to the laboratory's Electrical Scope of Accreditation.

SCOPE OF ACCREDITATION TO ISO/IEC 17025-1999

STANDARD INSTITUTION OF ISRAEL
Chaim Levanon 42
Tel Aviv, 69977 ISRAEL
Steli Loznen Phone: 9723 646 7800

ELECTRICAL

Valid to: January 31, 2007

Certificate Number: 1487.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following EMC, telecommunications and safety related tests:

Tests:

Standard(s):

EMC

Emissions

Radiated

(up to 18 GHz)

CFR 47, FCC Parts 15.A, 15.B, 15.C, using ANSI C63.4-2003 (up to 18 GHz) & 18; AS/NZS: 2064, 3548; CISPR: 11, 22; IS 961-6.1; EN 50081-1; EN 50081-2; EN 60601-1-2; IEC 60601-1-2; EN 55011; EN 55022; EN 12015; EN 50065; EN 50083; EN 55103-2; EN 50130-4; EN61000-6-3, EN61000-6-4; EN 61326

Conducted

CFR 47, FCC Parts 15, using ANSI C63.4-2003 & 18; AS/NZS: 2064, 1044, AS/NZS 3548; CISPR: 11, 14, 22; EN 50081-1; EN 50081-2; EN 60601-1-2; IEC 60601-1-2; EN 55011; EN 55014; EN 55022; IS 961-6.1; EN 12015; EN 50065; EN 50083; EN 55103-2; EN 50130-4; EN 61000-6-3, EN 61000-6-4; EN 61326

Harmonics

EN 60555-2; EN 61000-3-2; IEC 60555-2; IEC 61000-3-2; EN 61326; EN 61000-6-3

Flicker

EN 60555-3; EN 61000-3-3; IEC 60555-3; IEC 61000-3-3; EN 61326; EN 61000-6-3

Immunity

ESD

EN 61000-4-2; IEC 61000-4-2; EN 50082-1; EN 50082-2; EN 55024; CISPR 14; CISPR 24; EN 61000-6-1; EN 61000-6-2; EN 55014; EN 12016; EN 50130-4; EN 505103-2; EN 60601-1-2; IEC 60601-1-2; IS 961-6.2; EN 61326

Radiated

ENV 50204; EN 50082-1; EN 50082-2; EN 60601-1-2; EN 61000-4-3 IEC 61000-4-3, IEC 60601-1-2; IS 961-6.2; CISPR 14; CISPR 24; EN 12016; EN 50065; EN 50083; EN 55024; EN 61000-6-2; EN 61326; EN 61000-6-1; EN 50130-4; EN55103-2

Immunity (Cont'd)

Conducted/Disturbance EN 61000-4-6; IEC 61000-4-6; EN 50082-1; EN 50082-2;
EN 60601-1-2; IEC 60601-1-2; IS 961-6.2; CISPR 14; CISPR 24; EN 12016;
EN 50065; EN 50083; EN 55024; EN 61000-6-2; EN 61326; EN 61000-6-1;
EN50130-4; EN 55103-2

Electrical Fast Transients/Burst EN 61000-4-4; IEC 61000-4-4; EN 50082-1; EN 50082-2;
EN 60601-1-2; IEC 60601-1-2; IS 961-6.2; CISPR 14; CISPR 24; EN 12016;
EN 50065; EN 50083; EN 55024; EN 61000-6-2; EN 61326; EN 61000-6-1;
EN50130-4; EN 55103-2

Surges EN 61000-4-5; IEC 61000-4-5; EN 50082-1; EN 50082-2;
EN 60601-1-2; IEC 60601-1-2; IS 961-6.2; CISPR 14; CISPR 24; EN 12016;
EN 50065; EN 50083; EN 55024; EN 61000-6-2; EN 61326; EN 61000-6-1;
EN50130-4; EN 55103-2; ITU-T K.17; ITU-T K.20, ITU-T K.21

Voltage Dips and Interruptions EN 61000-4-11; IEC 61000-4-11; EN 50082-1; EN 50082-2; EN 60601-1-2;
IEC 60601-1-2; IS 961-6.2; CISPR 14; CISPR 24; EN 12016; EN 50065;
EN 50083; EN 55024; EN 61000-6-2; EN 61326; EN 61000-6-1;
EN50130-4; EN 55103-2

Power Frequency Magnetic Field EN 61000-4-8 (no short duration mode); IEC 61000-4-8 (no short
duration mode); EN 50082-1; EN 50082-2; EN 60601-1-2; IEC 60601-1-2;
IS 961-6.2; CISPR 14; CISPR 24; EN 12016; EN 50065; EN 50083;
EN 61000-6-2; EN 61326; EN 6100-6-1; EN 50130-4; EN 55103-2

Radio Testing EN 300 220, EN 300 330, EN 300 385; EN 300 440; EN 300 328; EN 301 489-1

Product Safety

Electrical Tests

Dielectric Strength Test, Resistance of Insulation, Input Current and Power, Energy Hazard, Capacitance Discharge, Voltage Measurement, SELV Reliability, Limited Current Circuit Measurement, Ground Continuity, Grounding Resistance, Safety Interlock Shock and Energy, Limited Power Source, Touch Current, Patient Leakage Current, Patient Auxiliary Current, Defibrillator Proof Applied Parts, Transformer, Abnormal Operation: Short Circuit / Overload / Components failure, Sound Level, Laser Classification Measurements, Overvoltage*

Mechanical Tests

Steady Force, Cord Anchorages and Strain Relief, Impact, Mechanical Strength, Stability, Loading, Knob Pull/Handle Loading, Drop, Protection against Hazardous Moving Parts

Heating Tests

Normal Heating, Resistance to Abnormal Heat -Ball Pressure

Environmental Simulation

Temperature, Humidity, Durability of Marking

Using the following tests directly related to the above listed Product Safety Tests:

AS/NZS 3260; TS 001; AS/NZS 3200; AS/NZS 3136; AS/NZS 60950-1
CSA/C22.2-225; CSA/C22.2-601; CSA/C22.2-950;
EN 292-1; EN 292-2; EN 41003; EN 50091-1; EN 60065; EN 60204-1;
EN 60335-1; EN 60335-2-X; EN 60439-1; EN 60601-1; EN 60601-1-1,3,4; EN 60601-2-X; EN 60730-1;
EN 60825-1; EN 60825-2; EN 60825-4; EN 60825-5; EN 60950; EN 60950-1; EN 61010-1;
EN 61010-2-(010-am1, 020-am1, 032,041,042,043,045,051,081,101); EN 61010-031.
IEC 60065; IEC 60204-1; IEC 60335-1; IEC 60335-1-1-am (1, 4, 5, 6); IEC 60335-2-(2, 2-am1, 3, 4, 4-am1, 5, 6, 7, 7-am1, 8, 9, 9-am1, 10, 11, 11-am1, 12, 13, 13-am1, 13-am2, 14, 14-am1, 15, 16, 17, 21, 23, 24, 24-am1, 25, 26, 27, 28, 29, 30, 31, 31-am1, 32, 34, 35, 36, 36-am1, 36-am2, 37, 37-am1, 37-am2, 38, 38-am1, 38-am2, 39, 39-am1, 39-am2, 40, 41, 42, 42-am1, 42-am2, 43, 44, 45, 47, 47-am1, 47-am2, 48, 48-am1, 48-am2, 49, 49-am1, 49-am2, 50, 50-am1, 50-am2, 51, 52, 53, 54, 55, 56, 57, 58,58-am1, 59, 60, 61, 62, 62-am1, 63, 64, 65, 66, 67, 68, 69, 70, 71, 71-am1, 72, 73, 74, 75, 75-am1, 76, 77, 78, 79, 80, 81, 84, 85, 86, 87, 88, 90, 91, 95, 97, 98); IEC 60439-1; IEC 60601-1; IEC 60601-1-1,3,4; IEC 60601-2-(1, 2, 3, 3-am1, 4, 5, 6, 8-am1, 10, 12, 13, 15, 16, 17-am1, 18, 19, 19-am1, 20, 20-am1, 21, 21-am1, 22, 23, 24, 25, 26, 27, 29-am1, 30, 31, 31-am1, 32, 33, 34, 35, 36, 38, 40, 46); IEC 60730-1; IEC 60825-1;
IEC 60950; IEC 60950-1; IEC 61010-1;
IEC 61010-2-(010-am1, 020-am1, 32, 041, 042, 043, 045, 051, 081, 101); IEC 61010-031.
IS 250; IS 900; IS 1011; IS 1011-X; IS 1121; IS 1213;
SEMI S2; SEMI S8; SEMI S9; SEMI S10; SEMI S14;
UL 508; UL 544; UL 1459; UL 1778; UL 1950;
UL 2601-1; UL 3101-1; UL 3111-1; UL 6500; UL 60950;
UL 61010A-1, 2-010, 2-020, 2-042, 2-041, 2-051; UL 61010B-1; UL 61010C-1;
*ITU-T K.17; ITU-T K.20, ITU-T K.21

Notes:

1) *The specified tests only apply on the electrical equipment covered by the scope of the above standards.*
2) *Certain standards used for Product Safety also include site engineering inspection, site certification activities, such as the SEMI standards. Only actual safety testing as listed above is enveloped by A2LA Accreditation.*

Telecommunications

(Excluding HAC and Volume Control)

CFR 47, FCC Part 68; TIA-968-A; TBR21; TS001

On the following products or types of products: Industrial, Scientific, and Medical (ISM) Equipment; Information Technology Equipment (ITE); Telecommunications Equipment; Electrical Appliances; Portable Tools; Motors; and similar Electrical Apparatus.