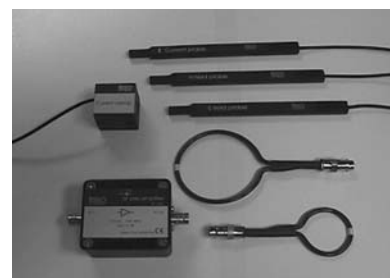
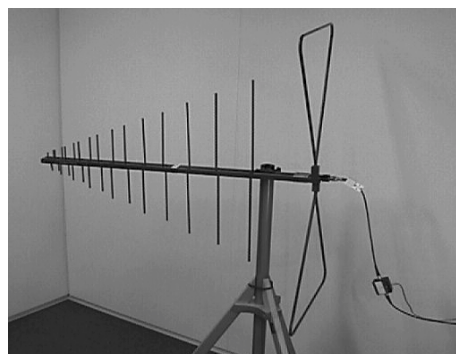


Whereas the Basic Test Set focuses on troubleshooting emission and immunity problems, the **PTS-1000/E Extended Test Set** is a complete solution for radiated, as well as conductive emission and immunity testing. The **PTS-1000/E** includes the Basic Test Set plus all items described below. For conductive emission tests optional CDNs accommodate a wide range of applications.

The **Extended Test Set** adds an antenna with adjustable tripod for quantitative measurements for emission and immunity from 30 MHz up to 1 GHz. Radiated immunity from DC to 300 MHz is achieved with the TEM-CELL without the need for a shielded room (and the associated—expensive—anechoic and/or ferrite absorbers). Upon availability of a shielded room, the full 1 GHz Spectrum is covered. Conducted immunity measurements up to the required 80 MHz complement the radiated tests. A universal dual power line CDN (with and without ground) and RF amplifier with modulator, is standard. For extensive emission evaluation a set of 5 additional probes and current clamps, as well as a 15 dB preamplifier are included. This complete set even comprises of a full compliant ESD gun. The **PTS-1000/E** includes the Basic Test Set plus all above mentioned items and is priced at a revolutionary low price.

Options include a 10 W 250 MHz amplifier, a 3-phase LISN, and a wooden table. Furthermore, a wide range of low-cost CDNs are available to serve a variety of connectors and associated signals. A CD-ROM with demo's and presentations is available on request.

TEM-CELL, MODEL SL-300	
FREQUENCY RANGE	DC-300 MHz
INPUT IMPEDANCE	50 Ω
VSWR	< 2
MAX INPUT POWER	+ 47 dBm (50W)
MAX SIZE: EUT 1	480 x 600 x 300 mm
EUT 2	480 x 480 x 75 mm
GENERATED E-FIELD	3 V/m @ 30 dBm (EUT2: 12 V/m) 10 V/m @ 40 dBm (EUT2: 40 V/m; 10 W BOOSTER REQUIRED)
DIMENSIONS (MAX)	3000 x 800 x 800 mm
BICONICAL/LOGPER ANTENNA, MODEL LPB-2727	
FREQUENCY RANGE	30 - 1000 MHz
IMPEDANCE	50 Ω
MAX POWER	+ 50 dBm (100 WATT)
GENERATED E-FIELD	
200-1000 MHz	> 3 V/m @ 30 dBm (WA1000 @ 1.5M) > 10 V/m @ 30 dBm (WA1000 @ 0.5M)
25-200 MHz	> 3 V/m @ 30 dBm (WA1000 @ 0.5M) > 10 V/m 40 @ dBm (BOOSTER REQ.)
BNC CABLE	
PROBE & CURRENT CLAMP KIT, MODEL PRCLS	
4 miniature E-field & H-field probes and a current clamp in a variety of frequencies & sensitivities to cover all requirements, including PCB analysis	



RP-1000	
FREQUENCY RANGE	150 KHZ-1050 MHZ
GAIN	15 DB \pm 1 DB
FLATNESS	\pm 1.5 DB
POWER SUPPLY	9V DC, 70 MA MAX
CONNECTORS	BNC MALE (50 Ω)
RF AMPLIFIER WITH MODULATOR RMF-80	
FREQUENCY RANGE	150 KHZ TO 80 MHZ
GAIN ACCURACY	\pm 2 DB
INPUT/OUTPUT IMPEDANCE	50 Ω
MAX OUTPUT POWER	+ 33 DBM
MAX INPUT POWER	- 5 DBM
MODULATOR	80% NOM. AM @ 1KHZ, 400 HZ
POWER SUPPLY	220 V - 240 V AC, 50-60 HZ
DIMENSIONS (W X D X H)	200 x 175, 80 MM
BNC INPUT & OUTPUT CONNECTORS	
CDN -1 PHASE MAINS WITH AND WITHOUT GROUND	
FREQUENCY RANGE	150 KHZ TO 230 MHZ
MAX INPUT POWER	+ 37 DBM
MAX VOLTAGE	250 V AC
MAX CURRENT	10 A NOM.
INPUT IMPEDANCE	50 Ω
DIMENSIONS (W X D X H)	200 x 175 x 125 MM
2 BNC CONNECTORS	
EMC/ESD TEST TABLE TAB-1608 (NOT INCLUDED IN TEST SET) 100% wooden table (160 x 80 x 80 cm); horizontal coupling plate (160 x 80 cm) & isolation plate (100 x 80 cm). Vertical Coupling Plate (50 x 50 cm) includes spacer/support (easily allows adjustment to the required 10 cm distance to the object under test). Ground reference plane is not included.	



ESD GENERATOR ESD-004

This full compliant ESD Gun features the required wave form as per IEC 1000-4-2 up to 4KV (one shot, ~1 discharge/sec., ~20 discharges/sec.) for contact discharge (suits most applications). The air discharge voltage is adjustable up to 15 KV (one shot, continuous). The polarity is both positive and negative.

