

The **PTS-1000/B** Basic Pre-compliance Test Set offers an unrivaled approach that allows the ultimate EMC test situation: automated measurements and report generation at an affordable price.

The **ST-1000** communicates with a standard (not included) Windows-based PC over the standard parallel port.

The **WA-1000** 1 GHz Wide Band Amplifier is suitable for all domestic and light industrial immunity tests, where the **WA-1000** is connected to the tracking generator output of the **ST-1000**. The **WA-1000** works with the **PR-1000** H-field probe (included in the **PTS-1000/B**), as well as with the **LPB-2727** antenna and **SL-300** TEM-CELL (included in the Extended Test Set). Optionally, a 10W amplifier is available for certain heavy industrial (10V/m) immunity tests.

The **PD-30** LISN (Line Impedance Stabilization Network, also referred to as Artificial Mains) is used for the Mains RF-Interference Test. With this test, the optional ability of the **ST-1000** to perform quasi-peak measurements is highly valuable and is the only approach to obtain accurate measurement results. The **TL-30** Transient Limiter is required to protect the **ST-1000's** sensitive input during this test. The **HP-150** High Pass Filter ensures that frequencies under 150 kHz do not influence the measurement.

The **PTS-1000/B** Test Set includes the **ST-1000** and the equipment shown below.

WIDE BAND RF AMPLIFIER , MODEL WA-1000	
FREQUENCY RANGE	150 kHz to 1 GHz
GAIN ACCURACY	± 2 dB
MAX OUTPUT POWER	+ 30 dBm @ -5 dBm input
MAX INPUT POWER	-1 dBm @ 50 Ω
POWER SUPPLY	115 V –230 V AC, 50-60 Hz
DIMENSIONS (W X D X H)	200 x 175 x 80
BNC input & output connectors	
LINE IMPEDANCE STABILIZATION NETWORK (LISN), MODEL PD-30	
FREQUENCY RANGE	150 kHz to 30 MHz
MAX VOLTAGE	250 V AC
MAX CURRENT	10 A nom.
IMPEDANCE	50 Ω
DIMENSIONS (W X D X H)	200 x 175 x 125
Switch for measurement on L or N line; BNC connector; artificial hand (option: 3 phase model PD303 described overleaf)	
TRANSIENT LIMITER, MODEL TL-30	
FREQUENCY RANGE	0 - 30 MHz
GAIN ACCURACY	+0.5 dB
ATTENUATION	10 dB
MAX INPUT POWER	+ 31.5 dBm @ 50 Ω
MAX OUTPUT VOLTAGE	17 Volt AC/DC
VSWR	1.05 - 1.5 (input – output)
DIMENSIONS (MM)	74 x 37 x 30
BNC input & output connectors	
HIGH PASS FILTER, MODEL HP-150	
FREQUENCY RANGE	150 kHz - 30 MHz
ATTENUATION	0.2 dB
H-FIELD PROBE, MODEL PR-1000	
FREQUENCY RANGE	10 MHz to 1 GHz
MAX INPUT POWER	+ 33 dBm @ 50 Ω
DIMENSIONS (MM)	Ø 32 x 180
BNC-connector	

