7010 EMI Receiver with built-in LISN

Main Features

EMI RECEIVER 7010

- 7010 Opt.01: 9 kHz to 1 GHz frequency range
- 7010 Opt.02: 9 kHz to 30 MHz frequency range
- 7010 Opt.03: 9 kHz to 3 GHz frequency range
- Built to CISPR 16-1-1 and CISPR 16-1-2 Standards
- Conducted and radiated emission tests
- Two built-in 16A Line Impedance Stabilization Networks (LISN)
- User port for driving external LISNs
- Free PES PMM Emission Suite Software with Smart Detector function (*)
- Combination of EMI test receiver and spectrum analyzer
- Direct analog to digital conversion up to 30 MHz
- Robust, compact construction
- 140 dBµV (2 W) maximum input level without damage

The 7010 EMI Receiver is a highly flexible and easy-to-use device suitable for conducted and radiated measurements from 9 kHz up to 3 GHz. Thanks to its built-in 16 A Line Impedance Stabilization Network (LISN), the 7010 performs complete conducted emission measurements and characterization of EUT with no external or additional equipment. The compact, rugged design makes the 7010 a perfect companion for product designers in-site testing, and laboratory EMI measurements.

The innovative 7010 EMI Receiver combines state-of-the-art digital technology with an RF frontend as required by CISPR standards, thus combining excellent accuracy with high flexibility.

The PMM Emission Suite software features a full set of user-friendly functions for all EMI applications.

The receiver can be ordered with four different frequency ranges:

9 kHz to 1 GHz (7010 opt.01), 9 kHz to 30 MHz (7010 opt.02) and 9 kHz to 3 GHz (7010 opt.03). Users can upgrade from one version to another at any time.

*The innovative Smart Detector function in PMM receivers reduces test time and increases the productivity of the lab.



7010

EMI Receiver with built-in LISN

SPECIFICATIONS

Frequency range	150 kHz to 1 GHz (Opt.00)	
	9 kHz to 1 GHz (Opt.01)	
	9 kHz to 30 MHz (Opt.02)	
	9 kHz to 3 GHz (Opt.03)	Anarda Safety Test Solutions
Resolution	10 Hz	
Frequency accuracy	< 3 ppm	ARTER SECOND O ALLERS FRAMEWORK TO GULLERS FRAMEWORK TO GULLERS FRAMEWORK FRAMEWORK TO GULLERS FRAMEWORK TO GULLERS FRAMEWORK TO GULLER
RF Input	Zin 50 Q. N fem.	RUST RE CONNECTED TO GROUND
VSWR 10 dB RF att.	< 1.2 [·] < 2 over 1 GHz	DO NOT COVER FAN
0 dB RF att	< 1 2: < 1 4 over 30 MHz: < 2 over 1 GHz	
Attenuator	0 dB to 35 dB (5dB steps)	
	0 dB to 50 dB (2dB steps) over 30 MHz	USER PORT RS-232 USB
Pulse limiter	Built-in up to 30 MHz	
Max input level (without equipment damage)		The second se
Sinewaye AC voltage	140 dBuV (2 W)	
Pulse spectral density	100 dBuV/MHz	
Preselector		
(Permanent built-in)	9 kHz to 30 MHz	
(r official bank wi)	30 MHz to 1 GHz	
	1 GHz to 3 GHz	
IE bandwidth		
6dB bandwidth	1 (Opt 01 02 8 02) 2 10 20 100 200 kHz 1 MHz (Opt 02)	
	200 Hz (Opt.01, 02, 8, 03), 0, kHz and 120 kHz	
Noise level	200 HZ (Opt.01, 02 & 03), 9 KHZ and 120 KHZ	
(Att 0 dB 50 0 torm Hold time 1 c)	0.000 to 0.15 MHz (200 Hz PR)/() < 0.4 Ru/(OR) (.120 dRm/Hz)	< 2 dPu / (A) / (122 dPm / Hz)
$(Aii 0 db, 30 \Omega i 2 ieini, hold line r s)$	0.009 t0 0.15 WHz (200 Hz RDW) > 0 ubp (QF) (-150 ubh/Hz)	$< 3 \text{ dD}\mu\nu(A\nu)(-133 \text{ dD}\pi/Hz)$
	(9 Km 2 Km	(-1.5) = (
	$50 \ 10 \ 1000 \ \text{MHz} (120 \ \text{KHz} \ \text{RDW}) > 14 \ \text{uD} \text{W} (QP) (-144 \ \text{uD} \text{H}/\text{Hz})$) < 7 dbµv (Av) (-151 dbli/Hz)
	1000 to 2700 MHz (1 MHz RBW) < 16 dBuV (AV) (-151 dBm/Hz)	
	2700 to 3000 MHz (1 MHz RBW) < 19 aBuV (AV) (-148 aBm/Hz)	
(Att 0 dD 50 0 term det DK Held time 10 me)	(20 + 10)/((20 + 10))/((20 +	
All 0 dB, 50 12 lenn, del. PK, Hold line 10 ms)	<u>20 dBµv, < 23 dBuv over 2700 Minz</u>	t Data day 6 matian
Lovel measuring time (hold time)	Peak, Quasi-Peak, Average, Rivio, Rivio-Avg (optional), C-Avg, Sina	The Detector Turnetion
Measurement accuracy	0,2 ms to 120 s (CISPR 10-1-1 as default)	
S/N > 20 dP		
3/N = 20 UB		Ordering information:
Main managering functions	<u>I GHZ 10 3 GHZ ± 1,5</u> dB	ordering information.
(With included DMM Emission Suite SM)	• Marker, marker peak, marker to centre, nignest peaks,	7010 Option 01 (9 kHz to 1 GHz)
(With Included Pivily Emission Suite Sw)	move beak to Analyzer or Manual modes, automatic test report.	
		7010 Option 02 (9 kHz to 30 MHz)
	80 to 200 dB selectable dynamic range.	7010 Option 02 (9 kHz to 30 MHz) 7010 Option 03 (9 kHz to 3 GHz)
	 80 to 200 dB selectable dynamic range. Display unit: dBm, dBµV, dBµA, dBµV/m, dBpT, dBµA/m, dBpW. 	7010 Option 02 (9 kHz to 30 MHz) 7010 Option 03 (9 kHz to 3 GHz) Includes: LISN mains cable, RS232 cable, USB-RS232 serial
	 80 to 200 dB selectable dynamic range. Display unit: dBm, dBµV, dBµA, dBµV/m, dBpT, dBµA/m, dBpW. Store-Load: traces, panels, conversion factors, limits. 	7010 Option 02 (9 kHz to 30 MHz) 7010 Option 03 (9 kHz to 3 GHz) Includes: LISN mains cable, RS232 cable, USB-RS232 serial converter, USB cable, N-m to BNC-f adapter, AC/DC power adapter,
CISPR 16-1-1 compliance	 80 to 200 dB selectable dynamic range. Display unit: dBm, dBµV, dBµA, dBµV/m, dBpT, dBµA/m, dBpW. Store-Load: traces, panels, conversion factors, limits. Standard compliant detectors down to 20 Hz PRF 	7010 Option 02 (9 kHz to 30 MHz) 7010 Option 03 (9 kHz to 3 GHz) Includes: LISN mains cable, RS232 cable, USB-RS232 serial converter, USB cable, N-m to BNC-f adapter, AC/DC power adapter, PES PMM Emission Suite Software, soft carrying case, user's
CISPR 16-1-1 compliance Demodulation	 80 to 200 dB selectable dynamic range. Display unit: dBm, dBµV, dBµA, dBµV/m, dBpT, dBµA/m, dBpW. Store-Load: traces, panels, conversion factors, limits. Standard compliant detectors down to 20 Hz PRF Built-in AM and FM demodulators (internal loudspeaker) 	7010 Option 02 (9 kHz to 30 MHz) 7010 Option 03 (9 kHz to 3 GHz) Includes: LISN mains cable, RS232 cable, USB-RS232 serial converter, USB cable, N-m to BNC-f adapter, AC/DC power adapter, PES PMM Emission Suite Software, soft carrying case, user's manual, standard calibration certificate
CISPR 16-1-1 compliance Demodulation I/O Interface	 80 to 200 dB selectable dynamic range. Display unit: dBm, dBµV, dBµA, dBµV/m, dBpT, dBµA/m, dBpW. Store-Load: traces, panels, conversion factors, limits. Standard compliant detectors down to 20 Hz PRF Built-in AM and FM demodulators (internal loudspeaker) 	7010 Option 02 (9 kHz to 30 MHz) 7010 Option 03 (9 kHz to 3 GHz) Includes: LISN mains cable, RS232 cable, USB-RS232 serial converter, USB cable, N-m to BNC-f adapter, AC/DC power adapter, PES PMM Emission Suite Software, soft carrying case, user's manual, standard calibration certificate
CISPR 16-1-1 compliance Demodulation I/O Interface (protocol available for software developers)	 80 to 200 dB selectable dynamic range. Display unit: dBm, dBµV, dBµA, dBµV/m, dBpT, dBµA/m, dBpW. Store-Load: traces, panels, conversion factors, limits. Standard compliant detectors down to 20 Hz PRF Built-in AM and FM demodulators (internal loudspeaker) USB 2.0, RS-232, user port (drives LISNs and accessories) 	7010 Option 02 (9 kHz to 30 MHz) 7010 Option 03 (9 kHz to 3 GHz) Includes: LISN mains cable, RS232 cable, USB-RS232 serial converter, USB cable, N-m to BNC-f adapter, AC/DC power adapter, PES PMM Emission Suite Software, soft carrying case, user's manual, standard calibration certificate
CISPR 16-1-1 compliance Demodulation I/O Interface (protocol available for software developers) Operating temperature	 80 to 200 dB selectable dynamic range. Display unit: dBm, dBµV, dBµA, dBµV/m, dBpT, dBµA/m, dBpW. Store-Load: traces, panels, conversion factors, limits. Standard compliant detectors down to 20 Hz PRF Built-in AM and FM demodulators (internal loudspeaker) USB 2.0, RS-232, user port (drives LISNs and accessories) -5° to 45°C 	7010 Option 02 (9 kHz to 30 MHz) 7010 Option 03 (9 kHz to 3 GHz) Includes: LISN mains cable, RS232 cable, USB-RS232 serial converter, USB cable, N-m to BNC-f adapter, AC/DC power adapter, PES PMM Emission Suite Software, soft carrying case, user's manual, standard calibration certificate
CISPR 16-1-1 compliance Demodulation I/O Interface (protocol available for software developers) Operating temperature Power supply	 80 to 200 dB selectable dynamic range. Display unit: dBm, dBµV, dBµA, dBµV/m, dBpT, dBµA/m, dBpW. Store-Load: traces, panels, conversion factors, limits. Standard compliant detectors down to 20 Hz PRF Built-in AM and FM demodulators (internal loudspeaker) USB 2.0, RS-232, user port (drives LISNs and accessories) -5° to 45°C 12 Volt DC, 0,8A (AC universal adapter) 	7010 Option 02 (9 kHz to 30 MHz) 7010 Option 03 (9 kHz to 3 GHz) Includes: LISN mains cable, RS232 cable, USB-RS232 serial converter, USB cable, N-m to BNC-f adapter, AC/DC power adapter, PES PMM Emission Suite Software, soft carrying case, user's manual, standard calibration certificate
CISPR 16-1-1 compliance Demodulation I/O Interface (protocol available for software developers) Operating temperature Power supply Built-in LISN (compliant to CISPR 16-1-2)	 80 to 200 dB selectable dynamic range. Display unit: dBm, dBµV, dBµA, dBµV/m, dBpT, dBµA/m, dBpW. Store-Load: traces, panels, conversion factors, limits. Standard compliant detectors down to 20 Hz PRF Built-in AM and FM demodulators (internal loudspeaker) USB 2.0, RS-232, user port (drives LISNs and accessories) -5° to 45°C 12 Volt DC, 0,8A (AC universal adapter) 	7010 Option 02 (9 kHz to 30 MHz) 7010 Option 03 (9 kHz to 3 GHz) Includes: LISN mains cable, RS232 cable, USB-RS232 serial converter, USB cable, N-m to BNC-f adapter, AC/DC power adapter, PES PMM Emission Suite Software, soft carrying case, user's manual, standard calibration certificate
CISPR 16-1-1 compliance Demodulation I/O Interface (protocol available for software developers) Operating temperature Power supply Built-in LISN (compliant to CISPR 16-1-2) Frequency range	 80 to 200 dB selectable dynamic range. Display unit: dBm, dBµV, dBµA, dBµV/m, dBpT, dBµA/m, dBpW. Store-Load: traces, panels, conversion factors, limits. Standard compliant detectors down to 20 Hz PRF Built-in AM and FM demodulators (internal loudspeaker) USB 2.0, RS-232, user port (drives LISNs and accessories) -5° to 45°C 12 Volt DC, 0,8A (AC universal adapter) 9 kHz to 30 MHz 	7010 Option 02 (9 kHz to 30 MHz) 7010 Option 03 (9 kHz to 3 GHz) Includes: LISN mains cable, RS232 cable, USB-RS232 serial converter, USB cable, N-m to BNC-f adapter, AC/DC power adapter, PES PMM Emission Suite Software, soft carrying case, user's manual, standard calibration certificate Optional accessories: 9010/RAV RMS-Avg detector, 9010-RMA rack mount adapter for 19" rack
CISPR 16-1-1 compliance Demodulation I/O Interface (protocol available for software developers) Operating temperature Power supply Built-in LISN (compliant to CISPR 16-1-2) Frequency range Continuous rated output current	 80 to 200 dB selectable dynamic range. Display unit: dBm, dBµV, dBµA, dBµV/m, dBpT, dBµA/m, dBpW. Store-Load: traces, panels, conversion factors, limits. Standard compliant detectors down to 20 Hz PRF Built-in AM and FM demodulators (internal loudspeaker) USB 2.0, RS-232, user port (drives LISNs and accessories) -5° to 45°C 12 Volt DC, 0,8A (AC universal adapter) 9 kHz to 30 MHz 16A 	7010 Option 02 (9 kHz to 30 MHz) 7010 Option 03 (9 kHz to 3 GHz) Includes: LISN mains cable, RS232 cable, USB-RS232 serial converter, USB cable, N-m to BNC-f adapter, AC/DC power adapter, PES PMM Emission Suite Software, soft carrying case, user's manual, standard calibration certificate Optional accessories: 9010/RAV RMS-Avg detector, 9010-RMA rack mount adapter for 19" rack Upgrades:
CISPR 16-1-1 compliance Demodulation I/O Interface (protocol available for software developers) Operating temperature Power supply Built-in LISN (compliant to CISPR 16-1-2) Frequency range Continuous rated output current Max permissible operating voltage	 80 to 200 dB selectable dynamic range. Display unit: dBm, dBµV, dBµA, dBµV/m, dBpT, dBµA/m, dBpW. Store-Load: traces, panels, conversion factors, limits. Standard compliant detectors down to 20 Hz PRF Built-in AM and FM demodulators (internal loudspeaker) USB 2.0, RS-232, user port (drives LISNs and accessories) -5° to 45°C 12 Volt DC, 0,8A (AC universal adapter) 9 kHz to 30 MHz 16A 250 Vac – 350 Vdc 	7010 Option 02 (9 kHz to 30 MHz) 7010 Option 03 (9 kHz to 3 GHz) Includes: LISN mains cable, RS232 cable, USB-RS232 serial converter, USB cable, N-m to BNC-f adapter, AC/DC power adapter, PES PMM Emission Suite Software, soft carrying case, user's manual, standard calibration certificate Optional accessories: 9010/RAV RMS-Avg detector, 9010-RMA rack mount adapter for 19" rack Upgrades: 7010/UP/01 from 7010 to 7010 Opt. 01 (9 kHz to 1 GHz)
CISPR 16-1-1 compliance Demodulation I/O Interface (protocol available for software developers) Operating temperature Power supply Built-in LISN (compliant to CISPR 16-1-2) Frequency range Continuous rated output current Max permissible operating voltage EUT supply frequency range	 80 to 200 dB selectable dynamic range. Display unit: dBm, dBµV, dBµA, dBµV/m, dBpT, dBµA/m, dBpW. Store-Load: traces, panels, conversion factors, limits. Standard compliant detectors down to 20 Hz PRF Built-in AM and FM demodulators (internal loudspeaker) USB 2.0, RS-232, user port (drives LISNs and accessories) -5° to 45°C 12 Volt DC, 0,8A (AC universal adapter) 9 kHz to 30 MHz 16A 250 Vac – 350 Vdc DC to 60 Hz 	7010 Option 02 (9 kHz to 30 MHz) 7010 Option 03 (9 kHz to 3 GHz) Includes: LISN mains cable, RS232 cable, USB-RS232 serial converter, USB cable, N-m to BNC-f adapter, AC/DC power adapter, PES PMM Emission Suite Software, soft carrying case, user's manual, standard calibration certificate Optional accessories: 9010/RAV RMS-Avg detector, 9010-RMA rack mount adapter for 19" rack Upgrades: 7010/UP/01 from 7010 to 7010 Opt. 01 (9 kHz to 1 GHz) 7010/02/UP/01 from 7010 Opt. 02 to 7010 Opt. 01 (9 kHz to 1 GHz)
CISPR 16-1-1 compliance Demodulation I/O Interface (protocol available for software developers) Operating temperature Power supply Built-in LISN (compliant to CISPR 16-1-2) Frequency range Continuous rated output current Max permissible operating voltage EUT supply frequency range CISPR equivalent circuit	 80 to 200 dB selectable dynamic range. Display unit: dBm, dBμV, dBμA, dBμV/m, dBpT, dBμA/m, dBpW. Store-Load: traces, panels, conversion factors, limits. Standard compliant detectors down to 20 Hz PRF Built-in AM and FM demodulators (internal loudspeaker) USB 2.0, RS-232, user port (drives LISNs and accessories) -5° to 45°C 12 Volt DC, 0,8A (AC universal adapter) 9 kHz to 30 MHz 16A 250 Vac – 350 Vdc DC to 60 Hz 50 Ω // (5 Ω + 50 µH) 	 7010 Option 02 (9 kHz to 30 MHz) 7010 Option 03 (9 kHz to 3 GHz) Includes: LISN mains cable, RS232 cable, USB-RS232 serial converter, USB cable, N-m to BNC-f adapter, AC/DC power adapter, PES PMM Emission Suite Software, soft carrying case, user's manual, standard calibration certificate Optional accessories: 9010/RAV RMS-Avg detector, 9010-RMA rack mount adapter for 19" rack Upgrades: 7010/UP/01 from 7010 to 7010 Opt. 01 (9 kHz to 1 GHz) 7010/02/UP/01 from 7010 Opt. 02 to 7010 Opt. 01 (9 kHz to 1 GHz) 7010/02/UP/01 from 7010 Opt. 02 to 7010 Opt. 01 (9 kHz to 1 GHz)
CISPR 16-1-1 compliance Demodulation I/O Interface (protocol available for software developers) Operating temperature Power supply Built-in LISN (compliant to CISPR 16-1-2) Frequency range Continuous rated output current Max permissible operating voltage EUT supply frequency range CISPR equivalent circuit EUT power connector	 80 to 200 dB selectable dynamic range. Display unit: dBm, dBμV, dBμA, dBμV/m, dBpT, dBμA/m, dBpW. Store-Load: traces, panels, conversion factors, limits. Standard compliant detectors down to 20 Hz PRF Built-in AM and FM demodulators (internal loudspeaker) USB 2.0, RS-232, user port (drives LISNs and accessories) -5° to 45°C 12 Volt DC, 0.8A (AC universal adapter) 9 kHz to 30 MHz 16A 250 Vac – 350 Vdc DC to 60 Hz 50 Ω // (5 Ω + 50 μH) Schuko 2P+E 	 7010 Option 02 (9 kHz to 30 MHz) 7010 Option 03 (9 kHz to 3 GHz) Includes: LISN mains cable, RS232 cable, USB-RS232 serial converter, USB cable, N-m to BNC-f adapter, AC/DC power adapter, PES PMM Emission Suite Software, soft carrying case, user's manual, standard calibration certificate Optional accessories: 9010/RAV RMS-Avg detector, 9010-RMA rack mount adapter for 19" rack Upgrades: 7010/UP/01 from 7010 to 7010 Opt. 01 (9 kHz to 1 GHz) 7010/UP/01 from 7010 to 7010 Opt. 03 (9 kHz to 3 GHz) 7010/UP/03 from 7010 to 7010 Opt. 03 (9 kHz to 3 GHz) 7010/UP/03 from 7010 to 7010 Opt. 04 (9 kHz to 3 GHz)
CISPR 16-1-1 compliance Demodulation I/O Interface (protocol available for software developers) Operating temperature Power supply Built-in LISN (compliant to CISPR 16-1-2) Frequency range Continuous rated output current Max permissible operating voltage EUT supply frequency range CISPR equivalent circuit EUT power connector Line plug	 80 to 200 dB selectable dynamic range. Display unit: dBm, dBμV, dBμA, dBμV/m, dBpT, dBμA/m, dBpW. Store-Load: traces, panels, conversion factors, limits. Standard compliant detectors down to 20 Hz PRF Built-in AM and FM demodulators (internal loudspeaker) USB 2.0, RS-232, user port (drives LISNs and accessories) -5° to 45°C 12 Volt DC, 0,8A (AC universal adapter) 9 kHz to 30 MHz 16A 250 Vac - 350 Vdc DC to 60 Hz 50 Ω // (5 Ω + 50 µH) Schuko 2P+E IEC 60320 C20 	 7010 Option 02 (9 kHz to 30 MHz) 7010 Option 03 (9 kHz to 3 GHz) Includes: LISN mains cable, RS232 cable, USB-RS232 serial converter, USB cable, N-m to BNC-f adapter, AC/DC power adapter, PES PMM Emission Suite Software, soft carrying case, user's manual, standard calibration certificate Optional accessories: 9010/RAV RMS-Avg detector, 9010-RMA rack mount adapter for 19" rack Upgrades: 7010/UP/01 from 7010 to 7010 Opt. 01 (9 kHz to 1 GHz) 7010/UP/01 from 7010 to 7010 Opt. 01 (9 kHz to 3 GHz) 7010/UP/03 from 7010 to 7010 Opt. 03 (9 kHz to 3 GHz) 7010/01/UP/03 from 7010 to 7010 Opt. 01 (03 (0 kHz to 3 GHz) 7010/01/UP/03 from 7010 Opt. 01 to 7010 Opt. 03 (0 kHz to 3 GHz)
CISPR 16-1-1 compliance Demodulation VO Interface (protocol available for software developers) Operating temperature Power supply Built-in LISN (compliant to CISPR 16-1-2) Frequency range Continuous rated output current Max permissible operating voltage EUT supply frequency range CISPR equivalent circuit EUT power connector Line plug Artificial hand	 80 to 200 dB selectable dynamic range. Display unit: dBm, dBμV, dBμA, dBμV/m, dBpT, dBμA/m, dBpW. Store-Load: traces, panels, conversion factors, limits. Standard compliant detectors down to 20 Hz PRF Built-in AM and FM demodulators (internal loudspeaker) USB 2.0, RS-232, user port (drives LISNs and accessories) -5° to 45°C 12 Volt DC, 0,8A (AC universal adapter) 9 kHz to 30 MHz 16A 250 Vac – 350 Vdc DC to 60 Hz 50 Ω // (5 Ω + 50 µH) Schuko 2P+E IEC 60320 C20 4 mm socket 	 7010 Option 02 (9 kHz to 30 MHz) 7010 Option 03 (9 kHz to 3 GHz) Includes: LISN mains cable, RS232 cable, USB-RS232 serial converter, USB cable, N-m to BNC-f adapter, AC/DC power adapter, PES PMM Emission Suite Software, soft carrying case, user's manual, standard calibration certificate Optional accessories: 9010/RAV RMS-Avg detector, 9010-RMA rack mount adapter for 19" rack Upgrades: 7010/UP/01 from 7010 to 7010 Opt. 01 (9 kHz to 1 GHz) 7010/UP/03 from 7010 Opt. 01 to 7010 Opt. 03 (9 kHz to 3 GHz) 7010/02/UP/03 from 7010 Opt. 02 to 7010 Opt. 03 (9 kHz to 3 GHz) 7010/02/UP/03 from 7010 Opt. 02 to 7010 Opt. 03 (9 kHz to 3 GHz)
CISPR 16-1-1 compliance Demodulation I/O Interface (protocol available for software developers) Operating temperature Power supply Built-in LISN (compliant to CISPR 16-1-2) Frequency range Continuous rated output current Max permissible operating voltage EUT supply frequency range CISPR equivalent circuit EUT power connector Line plug Artificial hand Dimensions (W x H x D)	 80 to 200 dB selectable dynamic range. Display unit: dBm, dBμV, dBμA, dBμV/m, dBpT, dBμA/m, dBpW. Store-Load: traces, panels, conversion factors, limits. Standard compliant detectors down to 20 Hz PRF Built-in AM and FM demodulators (internal loudspeaker) USB 2.0, RS-232, user port (drives LISNs and accessories) -5° to 45°C 12 Volt DC, 0,8A (AC universal adapter) 9 kHz to 30 MHz 16A 250 Vac - 350 Vdc DC to 60 Hz 50 Ω // (5 Ω + 50 μH) Schuko 2P+E IEC 60320 C20 4 mm socket 235 x 105 x 335 mm 	 7010 Option 02 (9 kHz to 30 MHz) 7010 Option 03 (9 kHz to 3 GHz) Includes: LISN mains cable, RS232 cable, USB-RS232 serial converter, USB cable, N-m to BNC-f adapter, AC/DC power adapter, PES PMM Emission Suite Software, soft carrying case, user's manual, standard calibration certificate Optional accessories: 9010/RAV RMS-Avg detector, 9010-RMA rack mount adapter for 19" rack Uggrades: 7010/UP/01 from 7010 to 7010 Opt. 01 (9 kHz to 1 GHz) 7010/02/UP/01 from 7010 Opt. 02 to 7010 Opt. 01 (9 kHz to 1 GHz) 7010/02/UP/03 from 7010 Opt. 01 to 7010 Opt. 03 (9 kHz to 3 GHz) 7010/02/UP/03 from 7010 Opt. 02 to 7010 Opt. 03 (9 kHz to 3 GHz) 7010/02/UP/03 from 7010 Opt. 02 to 7010 Opt. 03 (9 kHz to 3 GHz)

Related products Receivers

- . 9010: EMI Receiver 10 Hz to 30 MHz
- 9010F: EMI Receiver 10 Hz to 30 MHz
- 9010/03P: EMI Receiver 10 Hz to 300 MHz
- 9010/30P: EMI Receiver 10 Hz to 3 GHz
- 9010/60P: EMI Receiver 10 Hz to 6 GHz
- 9030: EMI Receiver 30 MHz to 3 GHz 9060: EMI Receiver 30 MHz to 6 GHz .
- 9180: EMI Receiver 6 GHz to 18 GHz
- FR4003: Field Receiver 9 kHz to 30 MHz

Antennas

- . BC-01: Biconical Antenna 30 to 200 MHz
- . BL-01: Biconical Log Periodic Antenna 30 MHz to 6 GHz
- DR-01: Double-ridged Horn Antenna 6 to 18 GHz
- LP-02: Log Periodic Antenna 200 MHz to 3 GHz
- LP-03: Log Periodic Antenna 800 MHz to 6 GHz
- LP-04: Log Periodic Antenna 200 MHz to 6 GHz
- VDH-01: Van der Hoofden Test Head 20 kHz to 10 MHz
- TR-01: Antenna Tripod
- Antenna Set AS-02 (BC01+LP02+TR01)
- Antenna Set AS-03 (BC01+LP02+LP03+TR01)
- Antenna Set AS-04 (BC01+LP04+TR01)
- Antenna Set AS-05 (BC01+LP04+DR01+TR01)
- Antenna Set AS-06 (BC01+LP02+LP03+DR01+TR01)
- Antenna Set AS-07 (BL01+TR01)
- Antenna Set AS-08 (BL01+DR01+TR01)
- RA-01: Rod Antenna 9 kHz to 30 MHz
- RA-01-HV: Rod Antenna 150 kHz to 30 MHz • .
- RA-01-MIL: Rod Antenna 9 kHz to 30 MHz



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LISNs/Probes

- . L2-16B: single phase AMN, 16 A
- . L3-32: 4 lines, 3-phase AMN, 32 A
- L3-64: 4 lines, 3-phase AMN, 63 A
- L3-64/690V: 4 lines, 3-phase AMN, 63 A .
- L3-100: 4 lines, 3-phase AMN, 100 A
- L1-150M: single-path, 50 Ohm AMN, 150 A
- L1-150M1: single-path, 50 Ohm AMN, 150 A .
- L1-500: single phase AMN, 500 A
- L3-500: 4 lines, 3-phase AMN, 500 A
- SBRF4: RF Switching Box .
- SHC-1/1000: Voltage probe, 1000 Vac, 35 dB
- SHC-2/1000: Voltage probe, 1000 Vac, 30 dB

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