

Code: NEON+

DVB-T SIGNAL METER **NEON+**

The NEON+ meter is designed to DVB-T parameters measurement. Analyzer offers the following measurement modes for analog channels: channel level, V/A and C/N ratios. For digital channels allows the measurement of channel power. In DVB-T system is possible to measure the quality of reception: Modulation Errors Ratio MER, Bit Error Ratio BER, before and after the decoder Viterbi, bad packets after decoder counter Reed-Soloman and constellation diagram. Meter enables also automatic define the modulation parameters of the DVB-T channel (channel frequency, number of subcarriers, GI, FEC and modulation type). Analyzer allows to measure the DC and AC voltage of the remote TV power adapter and distribution and broadcasting networks. The NEON+ can be connected to the PC to access to the other modes.



Frequency range:	45 ... 865 MHz
Frequency step:	125 kHz
TV system:	CCIR default (to edit via PC)
Level measurement range:	30 ... 120 dBμV
Level measurement step:	0.1 dB
Level measurement accuracy:	± 1.5 dB
COFDM-2k/8k modulation:	QPSK, 16-QAM, 64-QAM
Hierarchy of modulation:	a = 1, 2, 3, 4
FEC:	1/2, 2/3, 3/4, 5/6, 7/8
Guard Interval:	1/4, 1/6, 1/16, 1/32
BER measurement range:	10 ⁻³ ... 10 ⁻⁸
MER measurement range:	18 ... 35 dB (for QAM64)
Backup time:	min. 3 hours



DATA SHEET

Main features:	<ul style="list-style-type: none">• Pre-amplifiers powering 12/24 V DC• For analog channels: channel level, V/A and C/N ratio• For digital channels: channel power, MER, preBER, postBER• Measurement modes: Full-scan, ripples, spectrum, MER/BER, constellation• Data recorder: channels and measurements plans
PC software allows to:	<ul style="list-style-type: none">• Operation in device virtual mode: measurement and displaying signal parameters as bar graph, spectrum analysis, quality parameters of receiving DVB-T signal and constellation diagram• Displaying, creating, editing, loading and saving of the TV systems tables to the meter, channels plans, measurements recorder pages• Saving and printing the measurements reports
Weight:	0.45 kg
Dimensions:	190 x 94 x 32 mm
Guarantee:	2 years