

SPECIFICATIONS FOR LEVEL METER WITH BUILT IN LEVEL GENERATOR

Portable level meter with digital frequency display suitable for measurements on Power Line Carrier equipment.

LEVEL METER TECHNICAL SPECIFICATIONS

FREQUENCY

Frequency range 200Hz to 1,6Mhz
Frequency error limits $\pm 5 \times 10^{-6} \pm 1 \text{ Hz}$

Frequency setting

Numeric via keypad, resolution 1 Hz
Quasi-analogue with adjustable step
by up/down keys and rotary knob

Automatic Frequency setting

Automatic search, adjustable threshold
with storage of 100 frequency-level pairs

AFC

Accuracy $\pm 1\text{Hz} \pm 1\%$ of selected BW

Frequency display 7 digits

INPUT IMPEDANCE

Coaxial 75 Ω , high impedance

(with BNC type socket)

Balanced 75, 124, 150, 600 Ω , high impedance

(banana type 4mm)

DISPLAY RANGE

-80dBm @ ζ +20dBm

BANDWIDTH (3dB)

$\leq 25\text{HZ}$ 1,74 1,95 kHz and 3,1 kHz

(selectable)

VOLTAGE AND LEVEL MEASUREMENTS

Power level (dBm) referred to 1mW

Voltage level (dB) referred to 0,775V

Level difference in dB

Voltage difference in μV , mV

Total error limit $\pm 0,8\text{dB}$

(selective measurements)

Total error limit $\pm 1\text{dB}$

(wideband measurements)

MAX. HOLD displays the max RMS value

Voltage and level display

Digital display 4 digits

Quasi-analogue bar graph with

Display resolution adjustable

Display range adjustable

LEVEL GENERATOR TECHNICAL SPECIFICATIONS

OUTPUT IMPEDANCE

Coaxial selectable	50, 75 Ω
Balanced selectable	5, 125, 150, 600 Ω

FREQUENCY

Tracking generator	
Frequency range	200 Hz to 1,6 Mhz
Frequency display	7 digits

OUTPUT LEVEL

Display units	
Absolute level	dB, dBm
Level referred to 0dB	dB0, dBm0
Relative level	dBr
Voltage	μ V, mV

Level setting

Via keypad, resolution	0,1 dB
Quasi-analogue via up/down keys	
Level display	3 digits
Level range	-50 dB to 10dB
Error limits	\pm 0,5 dB
Frequency response	\pm 0,5 dB

Spurious voltages

Harmonic attenuation 2 nd and 3 rd order $f \geq 200$ kHz	≥ 40 dB
Suppression of discrete, non-harmonic spurious signals	≥ 60 dB

GENERAL SPECIFICATIONS

Automatic calibration	
Battery or 220VAC line operation	
Robust construction for on-site field usage	
Operating temperature range	0 to +40 $^{\circ}$ C
Weight with batteries	up to 10Kg

ACCESSORIES

40dB attenuator	
Operating manuals in paper form	