

Feature	PCM-23 (BN2035/01 opt)	LT51
<b>Generator</b>		
Output Connector (balanced, floating)	TX: 3 pole CF socket	TX: 2 sockets (4mm, 19mm pitch)
Output Impedances	0, 600, 220+120nF  820	600,900,TN12 (220+120nF  820)
Output Signals		
Sinewave	200 Hz to 4 kHz	200 Hz to 2.2 MHz
Noise Signal	to ITU-T O.131	
Telephone Signal	to ITU-T G.227	to ITU-T G.227
<b>Receiver</b>		
Input Connector (balanced, floating)	RX: 3 pole CF socket	RTX: 3 sockets (4mm, RTXa-b: 19mm pitch)
Input Impedance	>30k, 600, 220+120  820	>45k, 600,900,TN12 (220+120nF  820)
Input Filters		
Bandpass	0.2 to 4kHz; 1kHz 350 to 550Hz (ITU-T O.131) 800 to 3400Hz (ITU-T O.131)	0.2 to 4 kHz (other spans upto 2.2 MHz) C-Message, 3 kHz LP, 15 kHz LP
		Selective Level Meter (Resolution BW from 29 Hz)
Band Stop (Notch)	1 kHz (ITU-T O.132)	
Psophometric	to ITU-T O.41	to ITU-T O.41
<b>Measurements</b>		
SPECTRUM ANALYSER		FFT with frequency zoom
LEVEL, LOSS, STABILITY(1kHz), INSERTION LOSS vs FREQUENCY	Similar	Similar
GAIN vs LEVEL	TX: 1 kHz or ITU-T O.131 Noise RX: 1kHz BPF or 350-550 Hz BPF	TX: 1 kHz RX: 0.2 - 4 kHz Span (29 Hz BPF at any frequency)
CROSS TALK	TX: 1 kHz or Telephone Signal RX: 1kHz BPF or Psophometer	TX: 1 kHz or Telephone Signal RX: 0.2 - 4 kHz Span (29 Hz BPF) or Psophometer
IDLE CHANNEL NOISE	Psophometer ITU-T O.41	Psophometer ITU-T O.41
S/Q (ITU-T O.131)	TX: ITU-T O.131 Noise RX: 350-550Hz + 0.8 - 3.4kHz BPF	
S/Q (ITU-T O.132)	TX: 1kHz signal, RX: 1kHz Notch (+ Psophometer)	TX: 1kHz signal, RX: Distortion Meas (+ Psophometer)
DISTORTION		THD, SNR, SINAD, SFDR (200Hz to 2.2 MHz)
IMPULSE NOISE (ITU-T O.61)		RX: Wideband (~5 MHz)
RETURN LOSS		0 to 40 dB
LCL, OSB BALANCE		0 to 60 dB
POWER SPECTRAL DENSITY		Down to 150 dBm/Hz
LOAD COIL DETECTOR		0 to 5 load coils with graph
TELEPHONE		DTMF dialling, built-in speaker phone
TDR		upto 3,800 m (PVF = 0.70)
VDC	0 to 20V	0 to 160V
LOOP CURRENT		0 to 90 mA
VAC		0 to 120 V
INSULATION RESISTANCE		200Vdc Source, upto 1000 Mohms
RESISTANCE FAULT LOCATOR		0-7kohm Loop, 20Mohm Fault resistance
AC IMPEDANCE (R and Capacitance)		0 to 4kohm, 1 to 1000 nF
<b>Special functions</b>		
General Accuracy	Similar	Similar
Max Levels at all connectors	24 dBm, 60V	24 dBm, 100V to GND, 200V floating
DC Loop Holding	TX: AC termination (> 100k), < 80mA RX: AC termination (> 100k), < 80mA	RTX: DC termination (Zin), < 70 mA
Other Connections		USB type B: PC 2.1mm DC socket: Charging
Memory	100 device settings	store & display results (upload to PC)
PC Interface		USB
Remote Control		LT51View PC application
Display	4 x 16 line character LCD	320x240 graphic LCD (w LED backlight)
Power Supply	Battery (2pcs 9V) or AC line	Battery (3pcs AA), AC line
Operating Time	Dry cell: 8hrs, NiMH: 2 hrs	NiMH: > 8hrs
Dimensions (w x h x d) in mm	110 x 200 x 60	155 x 190 x 40
Weight	1 kg	700 g