

SAT-2B

PCM Channel Analyzer

SYNERGY TELECOM PVT LTD



- ◎ Portable、 Human engineering design
- ◎ Large-screen LCD, 320×240 lattice, LED backlight
- ◎ With mini printer and external printer interface
- ◎ Built-in DC loop feeding circuit and DC loop holding circuit

Functions

- ◎ Multi-task operation (test and browse former records simultaneously)
- ◎ Test signal level, frequency gain, level gain, quantizing distortion, idle channel noise, crosstalk, return loss and longitudinal balance loss
- ◎ End to end and loop-back test
- ◎ Single-channel or 30-channel automatic test, and print it as report form
- ◎ Full-automatic mode, manual mode, full-automatic mode can select one item, several items or all of measure parameters, and the step can be programmable
- ◎ It can save over 60 groups of measure results; the test setup memory can be up to 9; it can also operate non-volatile memory
- ◎ Built-in generator and receiver, the output interface and input interface are respectively with direct current loop feeding circuit and direct current loop holding circuit, not only it can measure E&M 2/4-wire interface, but also it can measure LGE、FXO、LGS、FXS interfaces
- ◎ Test result graphic display, compare with built-in ITU-T rec.
- ◎ Measurement result can upload to PC, and take it for analyzing, filing and printing

Technical parameters

Generator

Signal frequency	100Hz~4000Hz, step: 10Hz
Output level	+6~-61dBm0, step: 1dB
Relative level	+1~-17dB, step: 0.1dB
Distortion degree	1020Hz/0dBm0, ≥ 50 dB

Frequency response	± 0.1 dB
Output impedance and return loss	600 Ω within 200~3600HZ, return loss ≥ 36 dB
Output balance degree	≥ 60 dB within 200~3600Hz

Receiver

	Frequency	200Hz~3600Hz
Level	Level range	+13dB~-78dB,dBm0: +6~-61dB,dBr: +7~-17dB
	Measurement error	0dBm0 is ± 0.2 dB,others are ± 0.3 dB
Frequency gain	Ref. signal	1020Hz/-10dBm0
	Ref. signal	1020Hz/-10dBm0
	Frequency range	200Hz~3600Hz
	Measurement range	-60dB~+60dB
Level gain	Measurement error	± 0.2 dB
	Ref. signal	1020Hz/-10dBm0
	Level range	+5dBm0~-60dBm0
	Measurement range	-60dB~+60dB
Idle channel noise	Measurement error	± 0.2 dB
	Assistant signal	closed
	Measurement range	-90dBm0p~+5dBm0p, ITU-T weighted
	Measurement error	-90~-75dBm0p: ± 2.5 dB -75~-70dBm0p: ± 1.5 dB -70~+5dBm0p: ± 1 dB
Crosstalk	Disturbing signal	1020Hz/0dBm0
	Measurement range	-90dBm0~+5dBm0
	Error range	± 1 dB
Quantizing distortion	Ref. frequency	820Hz
	Level range	+5dBm0~-60dBm0
	Measurement range	0~60dB,ITU-T weighted
	Measurement error	± 0.8 dB
Return loss	Signal frequency range	200Hz~3600Hz,level: 0dBm0
	Measurement range	0dB~62dB
	Measurement error	± 1 dB
Longitudinal balance loss	Signal frequency range	200Hz~3600Hz,level: 0dBm0
	Measurement range	0dB~82dB
	Measurement error	± 1 dB

Input impedance and return loss	input impedance is 600 Ω within 200~3600HZ,and return loss ≥ 36 dB
Input balance degree	≥ 60 dB within 200~3600Hz
Interface balance	600 Ω ,200 Ω +560 Ω //0.1UF; 200 Ω +680 Ω //0.1UF;
Relative level	-17~+7dB, step: 0.1dB
Direct current loop	IGT dynamic impedance >100K Ω , maximum loop current is 60mA, and loop voltage drop is -15V; OGT dynamic impedance >100K Ω , and constant current of feeding circuit is 22mA
Power supply	(1) With special power adapter Input:AC220V 50Hz Output:DC 9V1A (2) Internal rechargeable battery 4000mAh 6V Ni-MH rechargeable battery Working time: 6 hours Charge:8 hours at turn-off; 12 hours at turn-on;
Printer	μ P40-TS(CH) Standard serial Chinese/
Dimension	English mini-printer (Optional)
Weight	L×W×H:220×162×48mm
Operating temperature	0~40℃
Storage temperature	-20~+70℃
Humidity	5%~90% non-condensing

