

Feature	Wandel & Goltermann Acterna JDSU SPM-32,33,34,35,36	Wandel & Goltermann Acterna JDSU PS-33	Heuer Instruments http://www.heuer.com.au LT51-PLC
			
Generator			
Output Connector (balanced)		TX: 3 pole CF socket	TXa-b: 2 sockets (4mm, 19mm pitch)
Output Impedances (balanced)		10, 75, 150, 600	50,75,600 Ohms
Output Connector (unbalanced)		Coaxial: Versacon 9 Universal	BNC female (with Adaptor)
Output Impedances (unbalanced)		5, 50, 75 Ohms	50,75,600 Ohms
Frequency		50 Hz to 2 MHz	100 Hz to 2.2 MHz
Setting		keypad	keypad + knob
Level, Accuracy, THD		Similar	Similar
Receiver			
Input Connector (balanced)	RX: 3 pole CF socket		RTXa-b-g: 3 sockets (4mm, RTXa-b:19mm pitch)
Input Impedance (balanced)	75, 150, 600, high impedance		>45k & 50,75,600 ohms
Input Connector (unbalanced)	Coaxial: Versacon 9 Universal		BNC female (with Adaptor)
Input Impedances (unbalanced)	75, high impedance		>45k & 50,75,600 ohms
Frequency Range	SPM-32A: 50 Hz to 620 kHz SPM-33A/34A/35A: 50 Hz to 2 MHz SPM-36A: 50 Hz to 3.5 MHz		100 Hz to 2.2 MHz
Frequency Setting	keypad, up/down, Auto search		keypad, knob entry, Auto search
Level Accuracy / Freq Response	Similar		Similar
Selective Level Meter Bandwidth	25 Hz, 1.74 kHz, 3.1 kHz 5 Hz (SPM-35A)		25Hz, 1.74kHz, 3.1 kHz
Intrinsic distortion	> 60 dB		> 60 dB
Demodulator	Single Sideband Demodulation		
Measurements			
SPECTRUM ANALYSER			FFT with frequency zoom
LEVEL, LOSS, STABILITY(1kHz), INSERTION LOSS vs FREQUENCY	Similar	Similar	Similar
IDLE CHANNEL NOISE			Psophometer O.41
DISTORTION			THD, SNR, SINAD, SFDR (200Hz to 2.2 MHz)
RETURN LOSS			0 to 40 dB
LCL, OSB BALANCE			0 to 60 dB
TELEPHONE			DTMF dialling, built-in speaker phone
TDR			upto 7,600 m (PVF = 0.70)
VDC			0 to 60 V
LOOP CURRENT			0 to 70 mA
VAC			0 to 60 V
AC IMPEDANCE (MAGZ)			0 to 4kohm, 200 Hz to 1 MHz
MASTER-SLAVE			With 2 instruments perform end-end testing
Special functions			
Max Levels at all connectors	24 dBm, 60V	24 dBm, 60V	24 dBm, 60V
DC Loop Holding			RTX: DC termination (Zin), < 70 mA
Other Connections			USB type B: PC, 2.1mm DC socket: Charging store & display results (upload to PC)
Memory	100 device + 100 results	100 device settings	> 200k samples, sampling intervals: 1s to 60s
Recording Function			USB
PC Interface			LT51View PC application (free)
Remote Control			320x240 graphic LCD (w LED backlight)
Display	4 x 16 line character LCD	4 x 16 line character LCD	Battery (3pcs AA), AC line
Power Supply	Battery (2pcs 9V) or AC line	Battery (2pcs 9V) or AC line	NiMH: > 8hrs
Operating Time	Dry cell: 8hrs, NiMH: 2 hrs	Dry cell: 8hrs, NiMH: 2 hrs	with pockets for accessories/manual/cables
Soft Nylon Carry Bag			
Dimensions (w x h x d) in mm	110 x 200 x 60	110 x 200 x 60	155 x 190 x 40
Weight	1 kg	1 kg	700 g