Signal Level Meters - SL93 and SL93s

- The SL93 and SL93s Signal Level Meters have been designed by Swires Research to improve on the popular SL85. Incorporating the latest in surface mount technology and materials, the SL93 range provides both accuracy and user convenience; characteristic of all Swires Research measuring instruments and equipment.

- An LCD display has been substituted for the analogue meter used in previous models, to allow quicker and more accurate measurement taking.

- The SL93 features a comprehensive RS232 interface port, enabling full control *via* a modem, local or remote. Saved screen shots from an instrument may be down-loaded in order to produce hard copeies. Using the link allows up to 250 channels to be programmed into the instrument's memory, with a channel identity allocated to each, all withing 15 seconds. Frequencies not included in the programmed scheme may instantly be called up from the keypad.

- Accuracy of reading is assured, irrespective of how frequency is selected. Using EPROM (Erasable Programmable Read Only Memory), every instrument is individually programmed internally to correct variations in the reading. Employing this correction software guarantees accuracies of better than ±1 dB when using the Swires' SL93 range of signal level meters.

- Glass-fibre reinforced, polycarbonate casing, together with the use of surface mount technology inside the SL93 range, guarantee reliable operation, even in the most hostile user environments. Gold plated inter-connection throughout avoids oxidisation. Should any part of an instrument suffer damage, the modular design enables quick and inexpensive replacement of

swires research

40 Hornsby Square
Southfields
Industrial Park
Basildon
Essex
SS15 6SD
England

Tel: +44 (0)1268 417584
Fax: +44 (0)1268 419083
E.Mail:Sales@swires.com
Internet:
www.swires.com

- For use in satellite installation, the SL93s has an extended frequency range of 2150 MHz to encompass the satellite IF frequencies. A +14 V supply is also provided, *via* the instrument's internal batteries, to power an LNB.

- The 1.1 kg weight of the instrument can be more easily supported by the carrying strap, or either of the two optional carrying cases. The NiCad batteries will power the unit continuously for up to 5 hours, and to conserve the battery the meter automatically switches off after 5 minutes if no key is pressed.

SL93 meter with de luxe carry case

- The SL93 range was designed and is exclusively manufactured at the Swires Research factory in Basildon.

- Specifications

Frequency Range:	SL93:	10 to 1000 MHz.
	SL93s:	10 to 2150 MHz.
Response Accuracy:	< ± 1 dB 10 to 1000 MHz.	
	< ± 2 dB 1000 to 2150 MHz.	
Input Level Range:	-25 to +55 dBmV.	
IF Bandwidth:	360 kHz @ -3 dB	
Output Units:	dBmV or dBµV (User selectable)	
RF input connector:	75 Ω BNC type.	
LNB Supply Voltage:	SL93s: +14v 250mA max.	
Weight:	1.1 kg.	
Dimensions:	275 mm × 115 mm × 63 mm.	
Power Source:	Internally mounted NiCad batteries.	
Included with:	Mains charger, instruction booklet and carrying strap.	
Optional Extras:	Backlit display, ever ready and *deluxe* carrying cases.	

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