

- Charging the IM99

When "Low Batt" appears in the display during operation the batteries are in need of charging.

An overnight charge is normally sufficient to last for 5 hours of continuous use or longer if used intermittent. If the unit is switched on with the charger connected the display will show "Charging".

- Optional Extras

- Car charging lead

For charging the instrument while mobile.

- Ever-Ready carrying case

To protect the instrument and screen.

- *Deluxe* carrying case

Holds and protects the meter, battery charger and leads.



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

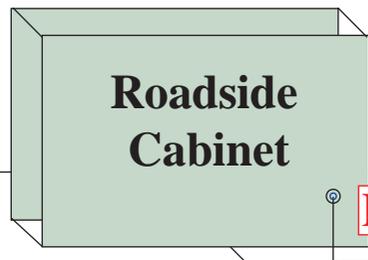
Tel: (01268) 417 584
Fax: (01268) 419 083
Email: sales@swires.com
Internet : www.swires.com



Operators Manual For Installers Meter - IM99 Slave

May '99

Outside the subscriber's house



Point A

Point A.

Connect a fly lead between the multi-way tap and the IM99.

Switch on the meter using the top right hand button. The top line shows the frequency that is being measured, and the bottom line shows the signal level in dBmV's. Each press of the right hand button selects the next programmed frequency.

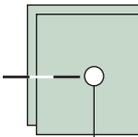
A signal level of +22dBmV* or higher is not uncommon. Levels higher than +22dBmV are indicated as **'HI'** in the display. **'LO'** in the display indicates that there is no signal present at the multi-way tap or is below -15dBmV.

* Indicated levels are only for guidance. Clarify these with the cable operator's supervisor.

Inside the subscriber's house



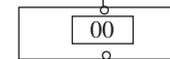
Measure signal strength at the wall socket or at the input to the set top box.



Subscriber's Outlet.
Typically +5 to +15 dBmV*.

Point B

Coaxial fly lead.



Set top box.



Set Top Box Output
Typically +0 to +10 dBmV*.

Point C

Switch off the meter with the left hand button and move to point 'B'.

Point B.

Measure the signal strength at the subscriber's outlet plate - use the same flylead that you will use to connect to the set top box.

Signal levels will be lower than at point 'A' - Levels will probably be between +5* and +15* dBmV. Toggle around the preset frequencies using either right hand button on the meter looking at the reading each time. They should be approximately the same, but there could be slight variations (+/- 3dB?).

Point C.

Only the output frequency from the set top box can be taken at this point. It is usually 711 MHz or 752 MHz - Your supervisor will know which frequency it is. If your IM99 has this frequency programmed in - It should read between 0 and +10dBmV*.