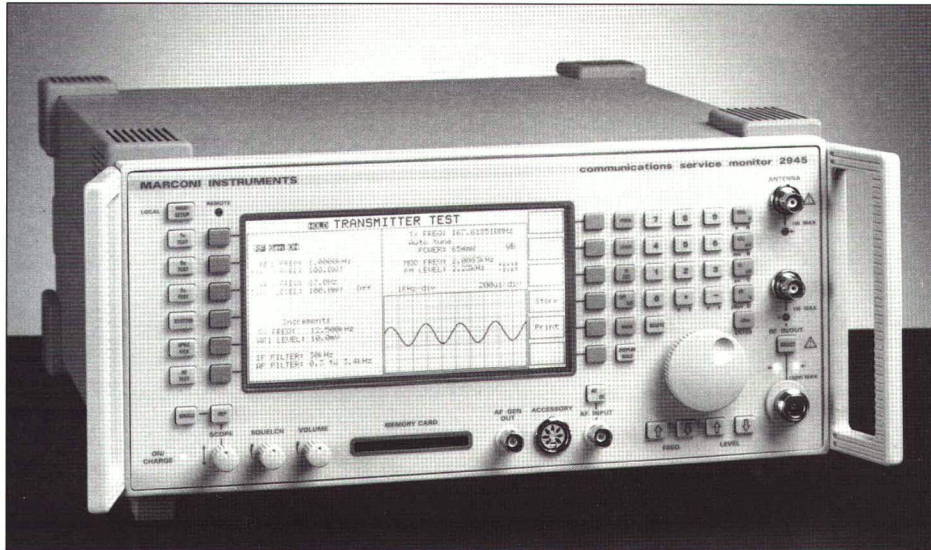


Communications Service Monitor

2945



- Rugged lightweight package
- Full span spectrum analyzer with 'live' look and listen as standard
- Tracking generator with offset tracking as standard
- 150 Watt RF power measurement as standard
- 5 Watt protection on all ports as standard
- 2 Variable Audio Generators as standard
- Superfast LCD with rapid refresh rate for easy monitoring and adjustment

- RS-232 control interface as standard for PC automated testing
- PCMCIA 2 memory card (for saving instrument settings & results)
- 50 kHz DSO (digital storage oscilloscope) with anti-aliasing
- Comprehensive colour coded keyboard for ease of use
- Fast high resolution bar-charts for peaking and nulling

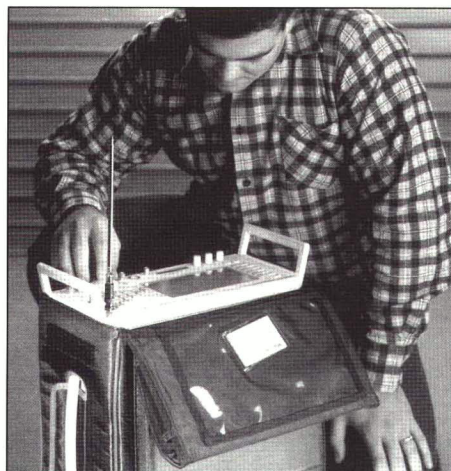
The 2945 communications service monitor is the lightest, most rugged service monitor available with a full performance spectrum analyzer as standard. For field work the 2945 TestMate provides an excellent combination of instruments for all types of maintenance work – yet back in the workshop it provides all of the performance you would expect for exacting measurements.

Field operation

At under 30 lb even with the integral battery, the 2945 TestMate lightens the load to remote sites. The form factor is ideal for carrying. The side handle means that the instrument is clear of steps and yet suitable for it to be operated comfortably from the floor. Full operation is possible from the protective case so that the investment is protected from transit damage.

Battery – carry a spare

The battery fits neatly into the ever-ready case and is easily replaced with a spare when discharged. It has no memory effect, even when partially discharged.



Can be operated from ever-ready case

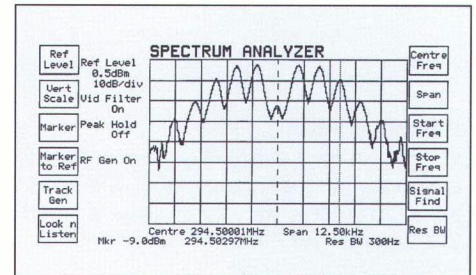
Fast warm-up – fast results

The standard TCXO allows results to be made reliably within a minute of switch on. (Where even better stability is required, an optional OCXO is available.)

Stored settings may be recalled from internal memory or from a memory card allowing straightforward setting up.

Fast full performance spectrum analyzer provided as standard

The spectrum analyzer provides spans from 1 kHz per division to full span and also a fully adjustable reference level. Speed is comparable with analog analyzers, allowing real adjustments. With the tracking generator provided as standard, full advantage can be taken when aligning filters. An offset facility enables testing of equipment with frequency translation.



From 2 µV to 150 Watts

The 2945 will measure low level signals such as off-air or those found when probing a circuit. 150 Watts measurement is provided without the need for external attenuators, so high power base stations can be measured directly. Measurement accuracy is specified all the way down to 5 mW on the N-Type connector, allowing cellular radios to be qualified at low power levels.

Accurate RF signals

The signal generator provides coverage from 400 kHz to 1.05 GHz with +5 dBm output and fast switching speed. Level accuracy is ±2 dB at all levels above -127 dBm.

Duplex as standard

Full duplex operation is provided by the 2945. This allows testing of duplex radios as well as simultaneous testing of repeater transmit and receive paths. There are no restrictions to the duplex offset.

Cellular built in

AMPS, TACS and NMT analog cellular standards are available internally, with all country variants provided in each package.

