

# The TVA 2000-Q Portable Spectrum Analyser

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- ◆ High dynamic range spectrum Analyser 5-860MHz.
- ◆ ANALOGUE and DIGITAL Measurements.
- ◆ Reverse path measurements from 5 MHz (with 'peak hold' for transient data capture)
- ◆ QAM constellation display.
- ◆ MER and BER measurement.
- ◆ True power measurement in 6 and 8 MHz bandwidth



- ◆ Full colour 5.5 inch TFT screen.
- ◆ 'Store' facility for saving results.
- ◆ RS232 interface allows software upgrades
- ◆ Data logging options



'Real time' Spectrum Analysis.



Based on the field proven TVA97 Analyser winner of the SCTE technical innovation of the year in 1997.



Power Measurements



64QAM constellation analysis

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setting the pace in professional RF technology

## Specifications

### • Real-Time Spectrum Analyser:

- Sweep range: 5 to 855 MHz.
- Sweep span: 0 to 800 MHz.
- Accuracy:  $\leq \pm 1$  dB, Typical.  $+2$  dB Maximum over whole frequency range from  $-10$  to  $+45$  °C.
- Modulation Error Ratio (MER) working range: 21 dB to 36 dB,  $\pm 2$  dB.  
(Above 36 dB -for indication only)
- Frequency accuracy:  $< \pm 0.01$  MHz.
- Dynamic Log range: 15 dB, 30 dB or 60 dB, user selectable.
- IF bandwidth: 2 MHz, 280 kHz & 30 kHz, user selectable or automatic.
- RF input connector: 75 W BNC.
- Analogue Input level range:  $-35$  to  $+55$  dBmV.

### • Physical Specifications

- Dimensions: 24 cm ' 27 cm ' 9 cm.
  - Weight: 3.4 kg.
  - Running time: 2.5 hours per charge. Charging is from the mains or through the car adapter charging lead. (Supplied with instrument.)
  - External power supply: The instrument can be run from the mains or from a car using the supplied lead.
  - Temperature range:  $-10$  to  $+45$  °C.
  - Screen: 14.0 cm (5.5") TFT flat screen.
  - Optical resolution: 750 x 556 pixels.
  - Housing: Glass fibre reinforced, polycarbonate body.
  - Carrying case: Nylon carrying case, incorporating an integral light hood.
- Comes complete with: Carrying case, batteries, mains charger preset software, RS232 special lead, also a car charging lead.