



**FSH Portable  
Spectrum Analyzer**  
Model 7519

## FSH Portable Spectrum Analyzer

MODEL 7519

### Description

The FSH Series (2, 3 or 6 GHz) spectrum analyzers are compact, battery-powered tools that provide RF measurement for TSCM based signal analysis/monitoring. In addition, the FSH3 spectrum analyzer includes a color display that reduces errors by enhancing the visibility of critical signal details. The powerful software package with signal comparison evaluation provides excellent functionality and compares previously scanned measurement.

### Applications

- TSCM Nearfield Analysis
- Cable installation and maintenance
- Verifies production line equipment
- General field use for communications installation and maintenance
- Field wireless equipment installation and maintenance. Outdoor antenna characteristics measurements.



### Features & benefits

- Portable handheld spectrum analyzer; Small and light enough to be perfect for handheld applications
- Superior RF Characteristics - fast, accurate, precision instrument for its price
- Color display enhances usability and visibility; 100 kHz to 3 GHz frequency range; covers all major communication standard transmission frequencies
- RMS detector for correct digital signal analysis
- Over 4-hour battery life; extremely portable for field use
- Built-in preamplifier; improve sensitivity by 15 dB; improved instrument sensitivity to detect more low level signals
- Selectable output power for the tracking generator; 0 dBm; test devices with higher power ratings without additional external equipment; additional narrower resolution bandwidths down to 100 Hz; improved performance measuring narrow bandwidth signals

## Characterisitcs

	<i>FSH 3</i>	<i>FSH 6</i>
Frequency Range	100KHz to 3 GHz	100KHz to 6 GHz
Resolution Bandwidth	1KHz(100 Hz) to 1MHz	10Hz to 1 GHz
Video Bandwidth	10 Hz to 1 MHz	10 Hz to 1 MHz
Displayed Avg. Noise Level T.O.I.	Typ. -116 (-125*) dBm (1 kHz) - 15 dBm typ.	135 dBm 15 dBm typ.
SSB Phase Noise	<-100dBc (Hz) at 100 kHz carrier offset	<-100dBc (Hz) at 100 kHz carrier offset
Detectors	Sample, peak, auto peak, RMS	Sample, peak, auto peak, RMS
Total Measurement Uncertainty	1.5 dB	1.5 dB
Reference Level	-80dBm to +20 dBm	-80dBm to +20 dBm
Dimensions W x H x D (mm)	170x120x270	170x120x270
Weight	2.5 kg	2.5 kg





If you would like further Information about ELAMAN,  
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