



## INTRODUCTION

The ST5128 hand-held field strength meter uses RF signal processing techniques and microprocessor technology to produce quick and accurate signal measurements. The meter provides the user a choice of viewing individual channel power readings, a single channel spectrum, a multiple channel spectrum, or an all channel spectrum. Automatic internal calibration corrects for measurement variations due to frequency response, temperature changes, and internal attenuator settings. The combination of keypad tuning and menu driven displays allow for simple operation to get needed signal measurements.

The meter is programmed with both USA CATV and VHF/UHF NTSC standard formats. Users can also select specific frequencies for signal testing. The back-lit LCD allows for viewing data measurements even in dark places.

**SPECIFICATIONS**

Input Frequency	46 – 860 MHz
Frequency Stability	<30 ppm
Frequency Accuracy	15 KHz
Min. Tuning Increment	10 KHz
I.F. Bandwidth	300 KHz
Input Range	-40 to +60 dBmV

**SPECTRUM ANALYZER MODE**

Single Channel Width	6 MHz
Resolution	100 KHz
Display Dynamic Range	40 - 100 dB
Full Spectrum Scan	All Visual Carriers

Channel Type	NTSC (6 MHz)
Input Impedance	75 ohms
Input Connector	Replaceable High Return Loss F Type
LCD Controls	Contrast, Back Lighting
Battery use	8 Hours Minimum / Charge
Size in. (mm)	4.3"(110) x 10"(248) x 2.6" (65)
Weight	2 Lbs (.9 Kg)

**DISPLAY TYPE**

Digital Graphic LCD	Indicates Channel or Frequency, signal level in dBmV and shows graphics
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**FEATURES**

Spectrum Viewing	Single Channel and Full Spectrum
Audio	Adjustable Volume
Illumination	Back-lit LCD
Frequency Mode Tuning Increments	10 kHz
Amplitude Measurement Accuracy	±1 dB @ 24°C ±1.5 dB (-10° to +50°C)
AC Input	110 V / 60 Hz
AC Power Supply	Included
Carrying Case	Included
FM Demodulator with audio output	Included
Auto Power Shut-Off	