



Analyzer

TEST & MEASURING INSTRUMENTS

4GHz  
Cable & Antenna Analyzer

# Protek A434L

Protek A434L is a new antenna and cable analyzer designed for use in the field offering the four measurement capabilities such as VSWR, cable Loss, DTF (Distance to Fault) and power meter with convenient short-cut buttons. Protek A434L has been lighter with longer battery life than the predecessor A434. The lightweight and simple operation make Protek A434L indispensable to technicians who need an efficient measuring instrument outdoors for the installation and maintenance of antenna systems.



## Features

VSWR, DTF, Cable Loss, Power Meter Functions

Frequency Range : 5MHz ~ 4GHz

Number of Data Points : Up to 2001

Accuracy :  $\pm 3$  PPM

Single & Dual Mode Display

Lighter than 2.3kg (Including Battery)

Smart Battery Indicator

Modern Connectivity (USB, LAN)

7inch TFT Sun-light Readable Screen



## Specification

1	General Specification	Max Input Power	+25dBm Damage level
		Frequency Range	5MHz ~ 4GHz
		Frequency Accuracy	< $\pm 3$ ppm
		Frequency Resolution	10 kHz
		Impedance	50 $\Omega$
		Scan Speed	< 1msec /data point
		Display	Single & Dual mode
		Test Port	N Female
		Test Curve Storage	
		Screen storage	Internal : Minimum 512MB External : Limited by size of USB (32G)
Setup Storage			
2	VSWR Specification	Number of data points	126, 251, 501, 1001, 2001
		Return loss Range	0 ~ -60 dB
		VSWR Range	1 ~ 65
3	Cable Loss Specification	Cable loss range	0 ~ -30dB, 0.01dB Resolution
4	Interference Immunity	On-Frequency	+ 10dBm
		On-Channel	+ 20dBm
5	DTF Specification	Return Loss Display Range	0 to 60dB
		Distance Range	0 to 1250m (4125ft)
		VSWR Display Range	0 to 65
6	Miscellaneous	Dimension	260 X 193 X 67 mm
		Weight	<2.3Kg include battery
		Battery	Li-Ion (4hr operating time after full charging)
7	Environmental Condition	Operating Temperature	0°C~ +50 °C
		Storage Temperature	-40 °C to +80 °C (-40°F to +176 °F)
		Humidity	95% No Condensation
8	Power Meter (Option)	Frequency Range	20MHz ~ 3.8GHz
		Sensor Type	Average
		Peak Power Sensor	-40dBm to +10dBm
		Accuracy	$\pm 7\%$
		Test Port	Precision N male