



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.







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Features

VSWR, DTF, Cable Loss, Power Meter Functions

Frequency Range : $5 \text{MHz} \sim 4 \text{GHz}$ Number of Data Points : Up to 2001

Accuracy : <± 3PPM

Single & Dual Mode Display

Lighter than 2.3kg (Including Battery)

Smart Battery Indicator

Modern Connectivity (USB, LAN)

7inch TFT Sun-light Readable Screen



Specification

Frequency Range	General Specification	Max Input Power	+25dBm Damage level
Frequency Resolution 106Hz Impedance 300 Scan Speed <1msec /data point Display Single 6 Dual mode Test Port N Female Test Curve Storage Internal : Minimum st2MB External : Limited by size of USB (320) Setup Storage External : Limited by size of USB (320) VSWR Specification Number of data points 126, 251, 501, 1001,2001 Return loss Range 060 dB VSWR Range 1 - 65 VSWR Range 1 - 65 On-Frequency + 10dBm On-Channel + 20dBm On-Channel + 20dBm Distance Range 0 to 60dB Distance Range 0 to 60dB Distance Range 0 to 60dB Ostrona Range 0 to 60dB Distance Range 0 to		Frequency Range	5MHz ~ 4GHz
Impedance SoΩ		Frequency Accuracy	< ±3ppm
Scan Speed Scan Speed Single 6 Dual mode		Frequency Resolution	
Diplay Single & Dual mode		Impedance	50Ω
Test Port N Female		Scan Speed	< 1msec /data point
Test Curve Storage Internal : Minimum 512MB External : Limited by size of USB (32G)		Display	Single & Dual mode
Screen storage Sctup Storage Sctup Storage		Test Port	N Female
Screen storage External : Limited by size of USB (32G)		Test Curve Storage	
Number of data points 126, 251, 501, 1001,2001		Screen storage	
Return loss Range		Setup Storage	
VSWR Range 1~65	VSWR Specification	Number of data points	126, 251, 501, 1001,2001
3 Cable Loss Specification Cable loss range o ~ -3odB, o.ordB Resolution 4 Interference Immunity On-Frequency + 1odBm 5 DTF Specification Return Loss Display Range o to 6odB 5 Distance Range o to 65 6 VSWR Display Range o to 65 6 Weight <2.3Kg include battery Weight <2.3Kg include battery Battery Li-lon (4hr operating time after full charging) 7 Environmental Condition Operating Temperature o"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 ~ 3.8CHz Sensor Type Average Peak Power Sensor -40dBm to +10dBm Accuracy ±7%		Return loss Range	o ~ -6o dB
Interference Immunity On-Frequency On-Channel + 20dBm On-Channel + 20dBm The profitation Return Loss Display Range Oto 60dB Distance Range Oto 65 VSWR Display Range Oto 65 Miscellaneous Dimension 260 X 193 X 67 mm Weight 42.3Kg include battery Battery Li-lon (4hr operating time after full charging) Function (4hr operating time after full charging) Funct		VSWR Range	1 ~ 65
DTF Specification Return Loss Display Range 0 to 6odB Distance Range 0 to 65 VSWR Display Range 0 to 65 Miscellaneous Dimension 260 X 193 X 67 mm Weight 2.3 Kg include battery Battery Li-lon (4hr operating time after full charging) Pervironmental Condition Operating Temperature Storage Temperature Munidity Storage Temperature Power Meter (Option) Frequency Range Sensor Type Average Peak Power Sensor Accuracy 4.7%	Cable Loss Specification	Cable loss range	o ~ -3odB, o.o1dB Resolution
DTF Specification Distance Range Distance Range Range Distance Range Distance Range Range Distance Range Range Distance Range Range Distance Range Ran	Interference Immunity	On-Frequency	+ 10dBm
Distance Range 0 to 1250m (4125ft) V5WR Display Range 0 to 65 Miscellaneous Dimension 260 X 193 X 67 mm Weight <2.3Kg include battery Li-lon (4hr operating time after full charging) Personnental Condition Operating Temperature 0°C~+50 °C Storage Temperature -40 °C to +80 °C (-40 °F to +176 °F) Humidity 95% No Condensation Power Meter (Option) Frequency Range 20MHz ~ 3.8GHz Sensor Type Average Peak Power Sensor 4.40dBm to +10dBm Accuracy ±7%		On-Channel	
VSWR Display Range 0 to 65	DTF Specification	Return Loss Display Range	
Miscellaneous Dimension 260 X 193 X 67 mm Weight <2.3 kg include battery Battery Li-lon (4hr operating time after full charging) Feruman		Distance Range	
Weight <2.3Kg include battery Battery Li-lon (4hr operating time after full charging) 7 Environmental Condition Operating Temperature o°C~+50 °C Storage Temperature -40 °C to +80 °C (-40 °F to +175 °F) Humidity 95% No Condensation 8 Power Meter (Option) Frequency Range 20MHz ~ 3.8GHz Sensor Type Average Peak Power Sensor -40dBm to +10dBm Accuracy ±7%		VSWR Display Range	
Battery Li-lon (4hr operating time after full charging) 7 Environmental Condition Operating Temperature Operating Temperature -40 °C to +80 °C (-40 °F to +176 °F) Humidity 95% No Condensation Frequency Range 20MHz ~ 3.8GHz Sensor Type Average Peak Power Sensor -40dBm to +10dBm Accuracy ±7%	Miscellaneous	Dimension	260 X 193 X 67 mm
Power Meter (Option) Frequency Range Sensor Type Peak Power Sensor Accuracy Operating Temperature O°C~+50 °C -40 °C to +80 °C (-40 °F to +175 °F) -40 °C to +80		Weight	<2.3Kg include battery
Storage Temperature -40 °C to +80 °C (-40°F to +176 °F) Humidity 95% No Condensation Power Meter (Option) Frequency Range 20MHz ~ 3.8GHz Sensor Type Average Peak Power Sensor -40dBm to +10dBm Accuracy ±7%		Battery	Li-lon (4hr operating time after full charging)
Humidity 95% No Condensation Power Meter (Option) Frequency Range 20MHz ~ 3.8GHz Sensor Type Average Peak Power Sensor -4odBm to +1odBm Accuracy ±7%	Environmental Condition	Operating Temperature	o°C~ +50 °C
Power Meter (Option) Frequency Range 20MHz ~ 3.8GHz Sensor Type Average Peak Power Sensor 4-0dBm to +10dBm Accuracy ±7%		Storage Temperature	-40 °C to +80 °C (-40°F to +176 °F)
Sensor Type Average Peak Power Sensor -40dBm to +10dBm Accuracy ±7%		Humidity	95% No Condensation
Peak Power Sensor -40dBm to +10dBm Accuracy ±7%	Power Meter (Option)	Frequency Range	20MHz ~ 3.8GHz
Accuracy ±7%		Sensor Type	
		Peak Power Sensor	
Test Bost		Accuracy	
Test Port Precision N male		Test Port	Precision N male