Authorized Distributor:
www.instruments4engineers.com

Protek A434L

4GHz Cable & Antenna Analyzer

Protek is ready to provide you with good solution and good service that you need anytime and anywhere.

- The Economical Solution
- Ideal for Field Testing
- Lightweight and Easy–to–use

Address

Instruments 4 Engineers Ltd
Business & Innovation Centre
Broadstone Mill, Broadstone Road
Stockport SK5 7DL, United Kingdom

Contact

Tel: +44 (0) 161 871 7450
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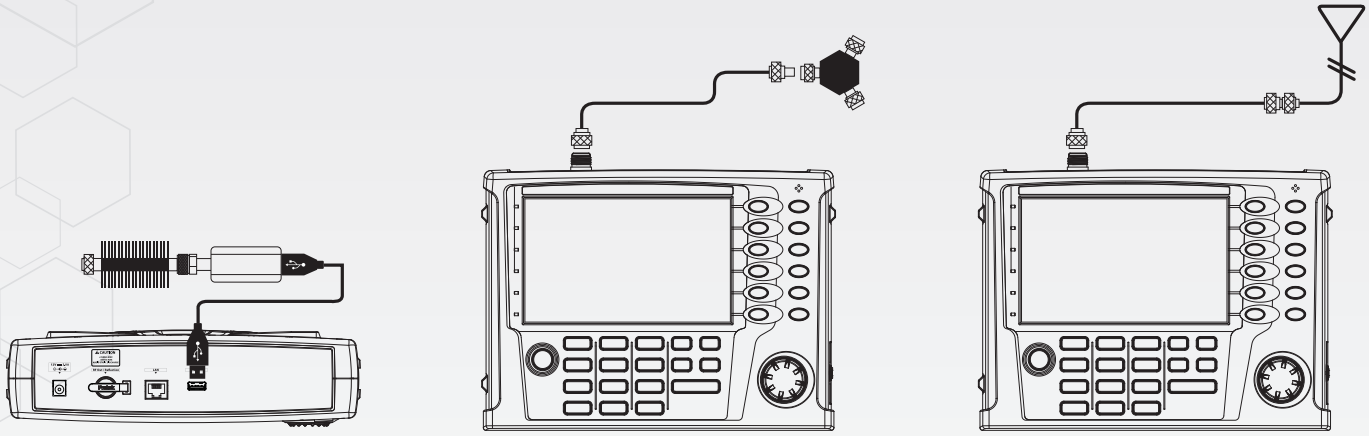
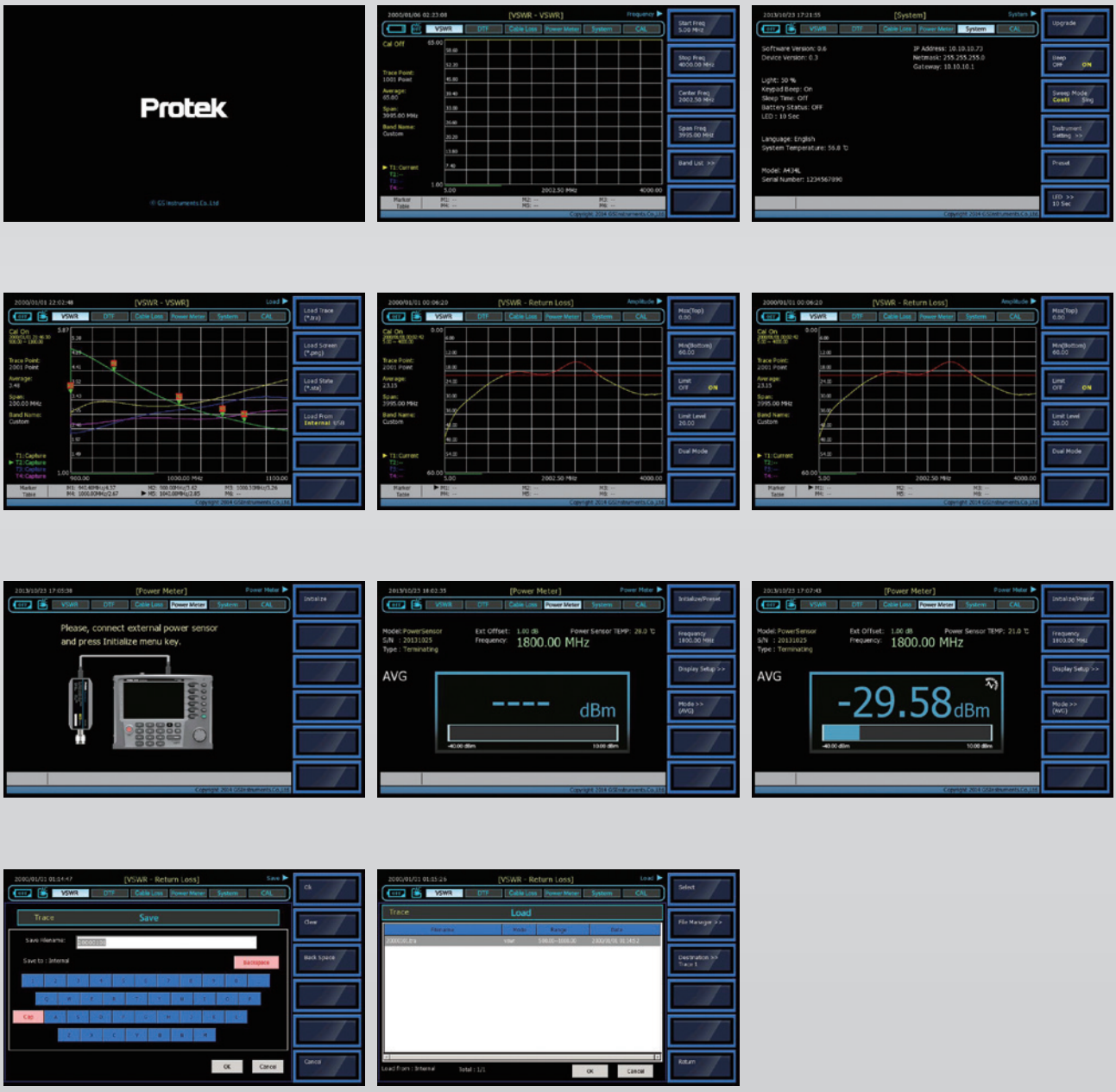


General Information

❶ VSWR ❷ Distance to Falut ❸ Cable Loss ❹ Power Meter



Protek A434L 4GHz Cable & Antenna Analyzer

Top

Rear

Side

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Accessory(Option)
EK134N
(4GHz Electronic Calibration Kit)

Accessory(Option)
D134 (Directional Power Sensor)

Accessory(Option)
S134 (Terminating Power Sensor)

Accessory(Option)
C122R5 (Battery Charger)

Key Features

A large number of cell site problems are caused by the antenna system, cable, or connectors. It is important to have the right instrument available when either servicing or certifying cell sites for operation.
The Protek A434L RF master is a lightweight portable diagnostic tool for an accurate detection of operational problems. The Protek A434L has all the measurement functions necessary to accurately verify the antenna system from VSWR to power measurements. In addition, the Protek A434L makes distance-to-fault measurements to accurately pinpoint the fault's location.
The Protek A434L user interface is with a front keypad and a TFT color, 7-inch display providing ease of use and control. The application specific software allows the user to easily compare and analyze measurements and generate comprehensive reports. The Protek A434L is equipped with a rechargeable and infield installable lithium-ion battery providing over four hours of operation.

Key Features

- Rechargeable and infield replaceable lithium-ion battery
- Built-in world-wide signal standards and frequency channels
- 7 Inch TFT color display viewable in daylight
- Dual display to view multiple measurements simultaneously to reduce test time
- Easy front keypad operation
- Superior immunity to RF interference
- Up to 2001 data points to locate long range problems
- Built-in cable menus containing 〉90 cables' characteristics
- User friendly menu structure
- Saves up to Memory (user setups, traces, screens)
- Alphanumeric labeling of saved data
- Automatic Time/Date stamp of saved data
- USB Port (USB 2.0)
- Remote firmware upgrade capability
- Fast one-touch selection of menu item or positioning marker
- Smart Battery management can be check Battery capability
- Rechargeable and field replaceable Lithium Ion battery with more than 4 hours operation time
- Backlight keypad for easier use in dark environments

Key Measurements

- High resolution VSWR Measurements
- Distance to Fault (DTF) Measurements
- Cable Loss Measurements
- RMS Power Measurements (optional)

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Specifications

Item	Sub Item		Specification
General	Max Input Power		+25dBm Damage level
	Frequency Range		5MHz to 4GHz
	Frequency Accuracy		〈 ±3ppm
	Frequency Resolution		10kHz
	Impedance		50Ω
	Scan Speed		〈 1msec /data point
	Display		Single & Dual mode
	Test port		N Female
	Test curve storage		Internal : Minimum 512MB External : Limited by size of USB (32G)
	Screen storage		
	Setup storage		
VSWR	Number of data points		126, 251, 501, 1001, 2001
	Return loss Range		0 to −60dB
	VSWR Range		1 to 65
Cable Loss	Cable loss range		0 to −30dB, 0.01dB Resolution
Interference Immunity	On−Frequency		+10dBm
	On−Channel		+20dBm
DTF	Return Loss Display Range		0 to 60dB
	Distance Range		0 to 1250m (4125ft)
	VSWR Display Range		0 to 65
Miscellaneous	Dimension		260X193X67mm
	Weight		〈2.45Kg include battery
	A434L Voltage and Current		12Vd.c., 3.5A
	Adaptor	AC Input	100 to 250Vd.c., 1.5A
		DC Output	12Vd.c., 5A
	Battery		Li−Ion (4hr operating time after full charging), 12Vd.c., 7600mAh
Environmental	Operating Temperature		0˚C ~ +50˚C
	Storage Temperature		−40˚C ~ +80˚C (−40˚F ~ +176˚F)
	Humidity		95%R.H. NO Condensation
	Degree of protection		IPX0
Power Meter(Option)	Frequency Range		20MHz to 3.8GHz
	Sensor Type		Average
	Peak Power Sensor		−40dBm to +10dBm
	Accuracy		±7%
	Test Port		Precision N Female