AC-726 RADIOCOMMUNICATION ANALYSER

The Radiocommunication Analyser **AC-726** can test Return Loss and VSWR of load frequency. It also can get Return Loss, VSWR of DTF (distance-to-fault) and Cable Loss. Users can easily know whether the connection of cable & antenna system is reliable or not. The **AC-726** with frequency range 25 MHz can be suitable for 2 G / 3 G / 4 G / WiMAX systems etc. The **AC-726** is the necessary measuring instrument for the new generation of wireless for network development, upgrade and maintenance.

- ✓ Frequency range: 25 MHz to 4 GHz; suitable for 2 G 3 G / 4 G / WiMAX systems etc.
- ✓ Dynamic Range up to 60 dB
- ✓ Intelligent limit / marker / curve calculations
- ✓ More than 8 hours long battery life
- ✓ 7 inch color LCD touch screen
- ✓ Optimized batch file management: edit/delete/filter
- ✓ Excellent Man-Machine interface for easy operation

Functions

1) Five Standard measurement mode

Distance-to-fault (DTF) Return Loss, DTF Voltage Standing Wave Ratio (VSWR), Frequency Return Loss, Frequency VSWR and Cable Loss testing. Main interface designs beautiful, user operation is convenient.

2) Intelligent analysis and judgment the trace

The **AC-72X** can analyze single or multi-segment limit line, marker and the curve calculation accurately.

3) Convenient and precise calibrator: 1-port , and "T-type" Calibration Kit

It can calibrate precisely and conveniently. When the calibrated data points decrease, it is no need to recalibrate, which will increase the service efficiency.

4) Instant switching the Return Loss and VSWR

The **AC-72X** can test the return loss and VSWR simultaneously, and switch the result instantly.

5) Optimized batch file management function

The **AC-726** file filter function is easy to implement batch editing and analysis the results.

6) Field calibration cable and obtaining the parameters

The **AC-726** can supply user input the cable parameters (propagation velocity, cable loss) or choose a known cable type. If user knows nothing about the cable parameters, he can make a field calibration by the equipment cable Calibration tool to get the accurate cable parameters.

7) Manually set frequency or select the preset frequency

According to the demand, it is convenient for user to manually set or select the preset frequency.

8) Energy saving, environmental protection and human interface design

The **AC-726** is low-power designing, has high-capacity rechargeable lithium battery and AC adapter dual power supply, and more than 8 hours of continuous battery operation. The shortcut keys can set up four display modes: normal, black and white, highlight and night vision for different ambient.

9) AC-72X Workbench PC software

(1) Data Management Function

Uploading and downloading files between the **AC-726** host and PC

Interact files with PC, including open the local file and save the file to the local

Support report print preview and print. Fully display the information such as company name, test parameters and measuring time etc.

(2) Application Tools Function

Distance-To-Fault

Transform into Smith Chart

Calculator

Edit Signal Standard

Edit Cable Parameter

(3) Data Analysis

Marker

Limit line

Scale

Switching the Return Loss and VSWR

AC-726 RADIOCOMMUNICATION ANALYSER

SPECIFICATIONS	AC-726
Frequency Range	25 MHz to 4000 MHz
Frequency Resolution	100 kHz
Frequency Accuracy	± 25 ppm
Output Power	0 dBm (typ.)
Measurement Speed	3.5 ms / point
Data Points	137, 251, 551, 1103
Anti-jamming Capability	
Frequency	-5d Bm
Channel	+17 dBm
Directivity	42 dB (after calibration)
Return Loss	
Return Loss Range	0 to 60 dB
Return Loss Resolution	0.01 dB
VSWR	
VSWR Range	1 to 65
VSWR Resolution	0.01
Cable Loss	
Cable Loss Range	0 to 30 dB
Cable Loss Resolution	0.01 dB
Distance-to-Fault	
Distance-to-Fault Return loss Range	0 to 60 dB
Distance-to-Fault SWR Range	1 to 65
Measuring Length	1500 m

Resolution Ratio	(1.5 x10^8) x (Vp) / (F2-F1) Where Vp is the cable's relative propagation velocity. where F2 is the stop frequency and F1 is start frequency
Data Points	137,251,551,1103
General Information	
Connector Type	N-Type female
Input Impedance	50 Ω
Display	7 inch resistor touch screen, resolution 800 x 480
Data Interface	One USB Host Port One USB Device Port One 10 M /100 M Adaptive LAN Port
Memory Space	>2000 traces
Language	English, Español
Internal Battery	11.1 V 7800 mah Rechargeable Lithium Battery
External Adapter	110 to 240 V, 50 to 60 Hz, AC input; 16 V, 3.75 A, DC output
Operating Temp. Range	-10 to +50 °C
Storage Temp. Range	-40 to +70°C
Humidity	0 to 85% (Non-Condensing)
Weight	2.5 kg (Suttle)
Dimensions (L x W x H)	290 (W.) × 175 (L.) × 75 (H.) mm