

CONTENTS

DATASCOUT.....2

AIRSCOUT® GIGACHECK®6

AIRSCOUT® LIVEPRO8

AIRSCOUT® RESIDENTAL10

DATA SCOUT

The DataScout 10G™ – The smart tablet that goes beyond testing! This device features a powerful Android-based, rugged-tablet platform available with the industries only 10G Ethernet and more. This enables technicians to carry a single device powerful enough to test legacy DSO-TIMS, 10G ethernet and everything in between while simultaneously removing the need to carry a separate laptop or tablet. Training videos, as well as the user manual, are available directly from the simple to use, fast to learn, touch screen interface.

ADVANCED FEATURES

- Power-up 3X's faster than the competition*
- Test DSO-TIMS up to 10G Ethernet
- Test multiple services simultaneously
- Remote control via Bluetooth® or standard web browser

RUGGED & RELIABLE:

- Plug & Stay - No modules to lose!
- Replaces up to 8 handhelds*
- Aluminum case with protective rubber boot
- Designed, manufactured and supported in USA

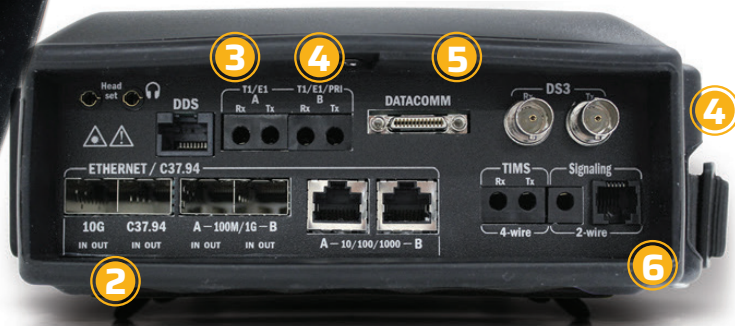
SIMPLE TO USE, FAST TO LEARN

- Touch screen tablet design
- No confusing menus
- Intuitive test configuration
- Training videos embedded in application

DESIGNED FOR:

- Service Providers
- Utilities & Municipalities
- E911 Communication Networks
- Datacenters





1 GOES BEYOND TESTING

- Tablet comes loaded with standard applications including web browser, email, document viewer and more.
- Onboard user manual & training videos
- Wired, Wi-Fi® and Bluetooth® remote options
- Print and Export reports to PDF or CSV

2 ETHERNET & C37.94

- Dual 10/100/1000BaseT ports
- Dual 100/1000BaseX SFP ports
- Single 10Gbps SFP+ Port (a)
- Single C37.94 SFP Port (b)
- Read/Diagnose SFP data and optical power
- Quick Test (BERT)
- RFC-2544, Y.1564 and C37.94
- Multistream (16) test streams
- EMIX, VLAN, MPLS & Jumbo frames
- IPv4 and IPv6 included standard
- Loopback & End-to-End test modes
- Discover and loopup/down six remote units
- Automatically respond to loopup/down commands
- Save test profiles
- Easy to read graphical reports

3 4 WIRE DDS

- CSU/DSU emulation
- 56K primary/secondary modes
- 64K clear channel mode
- Real-time received byte display
- Monitor received signal level

4 DS1 & DS3

- DS3 and Dual T1/E1 interface options
- PRI-ISDN NT/TE interface option
- G.821 PRI-ISDN data logging option
- DSO Voice & Data Testing
- DS3-THRU mode

- Bit Display
- CSU/NIU Emulation Mode
- DDS Latching loopbacks
- Loopup/down repeaters & spans
- Replacement for TBERD 107a, 224, 227, etc.

5 DATACOMM

- Sync/Async & DTE/DCE modes
- 50bps-250kbps in 1 bps steps
- V.35
- EIA-530(A)
- RS449 (V.36)
- RS530
- X21 (V.11)
- High Impedance mode
- RS232 (V.28)
- Bi-directional loopback mode
- Displays DTE/DCE signal status

6 SIGNALING - TIMS/DSO

- Comprehensive VF test suite
- TIMS 2/4 wire signal generator up to 2MHz
- Signaling modes: LS, GS,
- DID, E&M
- CO/PBX emulation modes
- Transmit +13dB, Receive -50dB
- Impulse noise measurement
- Dropouts, gain and phase hit measurement
- Replacement for Am5, CXR 704a
- HP4935, etc.

COMPARISON CHART:

PART NO.	DS-TIMS (TIMS ONLY)	DS-SS- DDS-TIMS (ALL LEGACY)	DS-C-E2- 3-K2 (EVERYTHING)	DS10G-COMBO- ETHERNET
1G REFLECTOR FED				
10G REFLECTOR FED				
ETHERNET 1G SINGLE PORT			✓	
ETHERNET 1G DUAL PORT			✓	✓
ETHERNET 10G			✓	✓
QUICK TEST (BERT) & RFC-2544			✓	✓
ITU-T Y.1564 & MULTISTREAM (16)			✓	✓
IEEE C37.94			✓	✓
DSO (TIMS)	✓		✓	
DSO EXTENDED TEST RANGE	✓	✓	✓	
DS3, T1/E1		✓	✓	
T1 CSU/NIU EMULATION		✓	✓	
DUAL PORT T1/E1		✓	✓	
DDS		✓	✓	
DATAComm			✓	
SMF & MMF JUMPERS LC & SC			✓	
MMF JUMPER LC/ST			✓	✓
SMF & MMF 1G TRANSCEIVERS (2)			✓	✓
SMF & MMF 10G TRANSCEIVER			✓	✓
MMF C37.94 TRANSCEIVER			✓	
MMF, SMF, COPPER LOOP PLUGS			✓	✓
ETHERNET CAT5 PATCH CABLE			✓	✓
BANTAM LEADS RED/BLUE	✓	✓	✓	✓
BANTAM TO DUAL ALLIGATOR (2)	✓	✓	✓	✓
RJ48 TO DUAL BANTAM	✓	✓	✓	✓
BNC LEADS RED/BLUE		✓	✓	✓
DDS RJ-48 TEST LEADS		✓	✓	
AC CHARGER	✓	✓	✓	✓
PADDED CASE	✓	✓	✓	✓
USB OTG CABLE	✓	✓	✓	✓

ETHERNET & Wi-Fi® TESTING CATALOG

ORDERING INFORMATION:

PART NO.	CAT. NO.	DESCRIPTION
52068246	DS-LD-RJ48-BTM	TEST LEAD-RJ48(M)/DUAL BANTAM
52068250	DS-LD-SMF-SC-LC	TEST LEAD - OPTICAL, SMF SC TO LC, 6FT
52068252	DS-LD-MMF-SC-LC	TEST LEAD - OPTICAL, MMF SC TO LC, 6FT
52068260	DS-SFP-MMF-C37	SFP - 100BASE-X C37.94 850NM MMF XCVR, L
52068590	DS-LD-MMF-LC-LC	DS-LEAD-MMF-LC-LC-2M
52068621	DS-LEAD-SMF-LC-LC	DS-LEAD-SMF-LC-LC-2M
52068622	DS-ADAP-BTM-310B	S-ADAP-BTM-310-BL
52068623	DS-ADAP-BTM-310R	DS-ADAP-BTM-310-RD
52071039	DS10G-ACC-SOFT	CASE-PADDED SOFT STORAGE CASE
52071572	DS-LD-DDS-STR	TEST LEAD - DDS RJ48 STRAIGHT-THRU, 6FT
52071573	DS-LD-DDS-REV	TEST LEAD - DDS RJ48 REVERSED, 6FT
52071577	DS10G-ACC-VEH	ACCESSORY - 12VDC VEHICLE CHARGER
52071578	DS-ACC-OTG	ACCESSORY - USB 2.0 MICRO CABLE ADAPTER
52072140	DS-LD-BNC-R	TEST LEAD - BNC RED
52072141	DS-LD-BNC-B	TEST LEAD - BNC BLUE
52073056	DS-LD-BTM-R	TEST LEAD - BANTAM RED
52073057	DS-LD-BTM-B	TEST LEAD - BANTAM BLUE
52075915	DS-ACC-M-LP	ACCESSORY - MMF LOOPBACK
52075916	DS-ACC-S-LP	ACCESSORY - SMF LOOPBACK
52075917	DS-ACC-E-LP	ACCESSORY - SUPER LOOPER
52077521	DS-LD-MMF-ST-LC	TEST LEAD - OPTICAL, MMF ST TO LC
52084727	DS10G-SW-STRESS	SW OPTION - C37.94 STRESS TEST

SPECIFICATIONS:

Display & Input:

7" WVGA LCD touch screen.
800x600 resolution.

Weight (Varies by configuration):

0.91 kg (2.0 lbs) minimum
1.36 kg (3.0 lbs) maximum

ENVIRONMENTAL:

Operating Temperature:

10°C to 55°C / 14°F to 131°F

Operating Humidity:

0% to 93% RH non-condensing

Storage Temperature:

-20°C to 70°C / -4°F to 158°F.

Battery Type:

Li Ion battery pack.

Run Time:

2-8 hours (varies by test mode).

External Power:

Mains: 110-240VAC, 50-60Hz with adapters.

Enclosure:

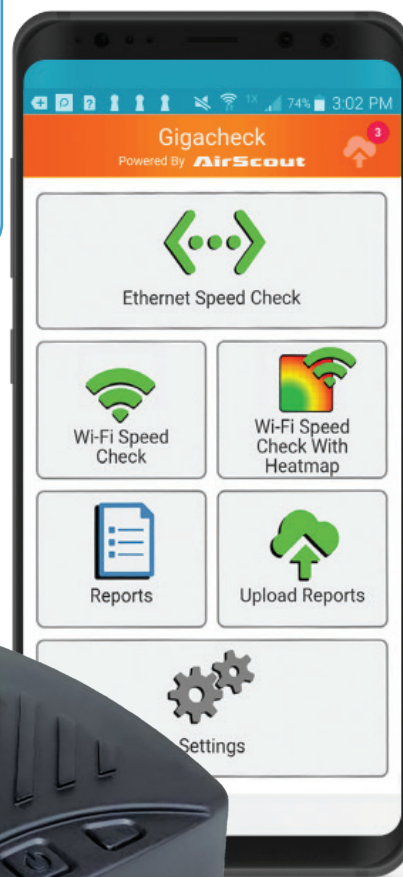
Shell: Rugged 1.5mm extruded aluminum.
Boot: Rubber with Wi-Fi antenna storage slot.
Kickstand: Power coated steel.



Real-Time Testing. A simple and intuitive tool that delivers immediate results to meet the needs of your customers, all in the palm of your hand.

FEATURES

- Test Ethernet speeds up to 1 Gbps and wireless up to 1.3 Gbps
- Real-time Report Generation and Cloud Access
- Intuitive interface with visual pass/fail indicators
- Controlled via smartphone app
- Powered by industry standard Speedtest® by Ookla®
- Ensure customers get the performance they expect, where they expect it



SPECIFICATIONS:

Power	11 to 15 VDC, 1 A
Operating Temperature	0 to +60 °C (+32 to +140 °F)
Charging Temperature	-10 to +55 °C (+14 to +131 °F)
Operating Humidity	90% max, non-condensing
Storage Temperature	-20 to +70 °C (-4 to +158 °F)

SCAN TO WATCH
THE VIDEO



ETHERNET & Wi-Fi® TESTING CATALOG

HOW HEATMAP WORKS:

The AirScout GigaCheck unit, controlled via smartphone app, connects directly to a customer's residential gateway. It then tests WiFi coverage and verifies the upload and download speeds of the wired Ethernet connection in real-time, all the way up to 1 gigabit.

Technicians can also easily test WiFi speeds up to 1.3 Gbps from different areas of the home to ensure the customer is getting the performance they expect, where they expect it. The intuitive user interface of the mobile app and cloud based reporting tool makes it easy to generate, view, and send reports – giving you and your customers and access to the most up to date information.

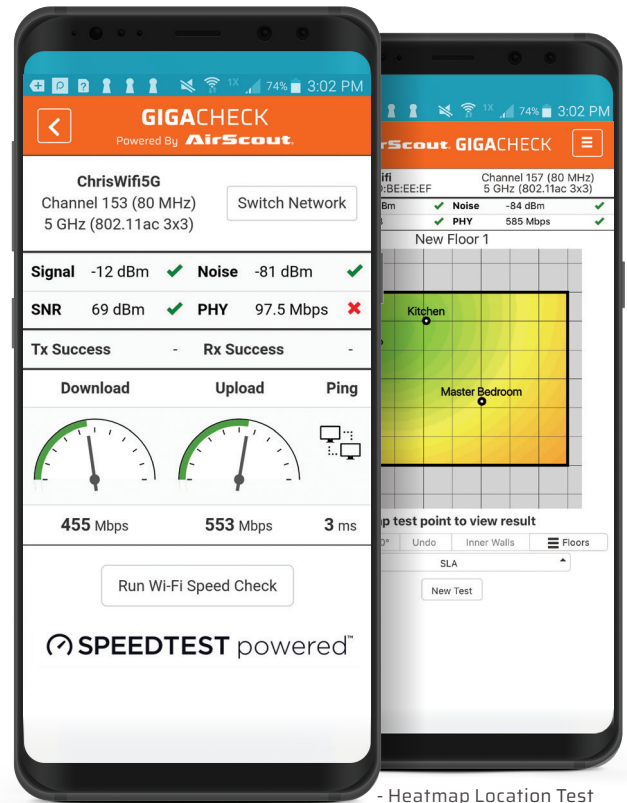
- “Headless” Unit is Fully Integrated with
- Smartphone App (Android)
- Report Generation and Cloud Access
- Easy to Read Pass/Fail Indicators
- Powered by Industry Standard Speedtest® by Ookla®
- Rechargeable Li-Ion Battery

Simplify Your Workflow

Connect the AirScout unit directly to a residential gateway and instantly verify Ethernet upload and download speeds, and WiFi signal strength throughout the home.

ORDERING INFORMATION:

PART NO.	CAT. NO.	DESCRIPTION
52084671	AGC350	AirScout GigaCheck Master unit with charger
52084591	AGC-PWR	Charger, 12V
52086257	ASB302	Soft Case
52087669	AGC-HMP	Heatmap



- Wi-Fi® Test Results

- Heatmap Location Test

SCAN TO WATCH
THE VIDEO





Wi-Fi Networks Are Complicated. Now Finding The Problem Is Easy. The only thing more frustrating than experiencing slow or no Wi-Fi is not knowing how to identify and resolve the issue.

The AirScout Live PRO is an easy to use, engineering grade troubleshooting tool that helps you identify Wi-Fi and non-WiFi interference on your network. It also provides a real-time view of how your network is being utilized and by what, down to the client. The simple, easy to use interface means there is no need for expensive training - users can quickly and easily get to the root of the problem without being a Wi-Fi genius.

FEATURES

- AirTime Analysis
- Spectrum Analysis
- Real-Time Congestion, Interference and Utilization Depiction
- 802.15.4 Optimization
- Reporting and Cloud Access
- Compatible with AirScout Residential

SPECIFICATIONS:

Standard	802.11
Type	Wi-Fi Quality Assurance Tool
Battery	Lilon Polymer 15.5 Wh (one in each device)
Antenna	2 x 2 MIMO (both master controller and all clients)
Area Network Type	WLAN
Enclosure	Molded Plastic
Power Supply	5 ±0.25 V dc, 1A max
Operating Temperature	0 to +60 °C (+32 to +140 °F)
Length	4.88 in (12.4 cm)
Width	4.88 in (12.4 cm)
Height	1.46 in (3.7 cm)

ORDERING INFORMATION:

PART NO.	CAT. NO.	DESCRIPTION
52084672	ALP330	AirScout Live Pro (Including Master Client, Charger, dongle and carry case)
	CLDSA	12 Month Cloud Service
52084673	ALP-DGL	USB WiFi dongle for AirScout Live Pro

ETHERNET & Wi-Fi® TESTING CATALOG

Real-Time Analysis

Quickly view all in-range AP characteristics, identify common problems such as incorrect channel selection and congestion, optimize 802.15.4 configurations, and more.

802.11

- View all in-range Access point configurations
- Quickly identify common Wi-Fi® problems
- Instantly view channel utilization on 2.4Ghz abd 5Ghz

AIRTIME ANALYSIS

- Live view of chanel utilization
- AP and client level analysis
- MAC address and device identification

802.15.4

- View all in-range Access point configurations
- In-depth view of channel utilization
- Optimize your 802.15.4 configuration to ensure ideal settings

SPECTRUM ANALYSIS

- Detect Wi-fi and Non-Wi-fi interference
- Analyze source of interference
- Identify impact on WLAN channels

SCAN TO WATCH
THE VIDEO





AIRSCOUT RESIDENTIAL

The AirScout® Residential Wi-Fi® Tester helps technicians identify the optimum location and settings for the access point of a Wi-Fi® broadband router or access point within a home or small business.

AirScout® provides an automated solution that surveys the residence from Layer 1 all the way through to the application layer. Providing technicians with a tool that makes complex measurements into easy to understand metrics; enabling technicians to convey to consumers whether their applications are supported where they need it.

FEATURES

- The AirScout Client devices are placed around the building that you want to “survey” for Wi-Fi coverage
- Up to 30 can be used with any AirScout Master controller device so you can cover a very large building or have high density of measurements by adding more to your kit
- Purchase this to add to your existing AirScout Kit (ASK306, 304 or 302); needs an AirScout Master controller to operate
- Includes universal AC to USB PSU and USB charging lead

SPECIFICATIONS:

Standard	802.11
Type	Wi-Fi Quality Assurance Tool
Battery	Lilon Polymer 15.5 Wh (one in each device)
Antenna	2 x 2 MIMO (both master controller and all clients)
Area Network Type	WLAN
Enclosure	Molded Plastic
Power Supply	5 ±0.25 V dc, 1A max
Operating Temperature	0 to +60 °C (+32 to +140 °F)
Length	4.88 in (12.4 cm)
Width	4.88 in (12.4 cm)
Height	1.46 in (3.7 cm)





AIRSCOUT® 306 WI-FI® TESTING KIT

- 1 - Six Client and 1 Master Carry Case
- 1 - AC/DC Universal Power Supply
- 1 - 12V Vehicle Charging Lead
- 1 - Quick Start Guide
- 1 - AirScout Master Controller (ASM300)
- 6 - AirScout Client Devices (ASC300)

AIRSCOUT® 302 WI-FI® TESTING KIT

- 1 - Soft Carry Case
- 1 - AC/DC Universal Power Supply and a USB charger and cables
- 1 - 12V Vehicle Charging Lead
- 1 - Quick Start Guide
- 1 - AirScout Master Controller (ASM300)
- 2 - AirScout Client Devices (ASC300)

AIRSCOUT® 300 CLIENT - TWO PACK

- 1 - USB charger and cables
- 2 - AirScout Clients (ASC300)

AIRSCOUT® 304 WI-FI® TESTING KIT

- 1 - Four Client and 1 Master Carry Case
- 1 - AC/DC Universal Power Supply
- 1 - 12V Vehicle Charging Lead
- 1 - Quick Start Guide
- 1 - AirScout Master Controller (ASM300)
- 4 - AirScout Client Devices (ASC300)

AIRSCOUT® 300 MASTER

- 1 - USB charger and cables
- 1 - AirScout Master Controller (ASM300)

AIRSCOUT® 300 CLIENT

- 1 - AC/DC Universal Power Supply
- 1 - AirScout Client (ASC300)

AIRSCOUT® 306 WI-FI® TESTING CASE

- 1 - Six Client and 1 Master Carry Case

ORDERING INFORMATION:

PART NO.	CAT. NO.	DESCRIPTION
52084672	ALP330	AIRSCOUT LIVE PRO
52085896	ASK302-LP	PRO MASTER W/ LIVE ASK302
52085897	ASK304-LP	PRO MASTER W/ LIVE ASK304
52085898	ASK306-LP	PRO MASTER W/ LIVE ASK306
52087670	ALP-DGL	USB WiFi dongle for AirScout Live Pro

SCAN TO WATCH
THE VIDEO





MOBILE NETWORK PERFORMANCE TESTING VOICE/DATA QoS FOR 5G, LTE, TETRA, Wi-Fi AND MORE



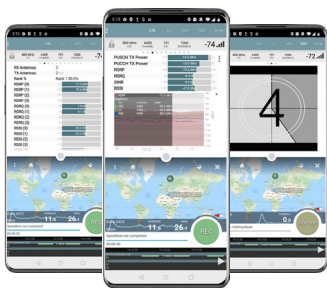
Airscout Mobility helps network engineers optimize the performance of their wireless networks by providing software that measures RF metrics directly from your mobile phone. The solution provides full data throughput and coverage mapping reports for all 3G/4G/5G wireless networks, as well as Wi-Fi and Bluetooth, so users can validate proper over-the-air network performance.

The software runs on your Android OS based mobile phone. Optionally, one can be included as part of the solution. Multiple devices can share one license, and license terms are flexible from annual licenses down to single-day usage.



PRODUCT OVERVIEW:

AIRSCOUT® MOBILITY



STANDALONE ANALYSIS

Complete performance analysis of the over-the-air protocols in a simple, easy to use interface on your Android phone.

AIRSCOUT® MOBILITY PLUS



TABLET CONTROLLED TEST OF MULTIPLE CARRIERS

Control multiple test devices using a single interface. Configure several protocols and perform simultaneous test on the same walkthrough

AIRSCOUT® MOBILITY STUDIO



CLOUD CONTROL & REPORTING

Produce full reports of all test data including measurements overlaid onto map data. Make data available to all members with full user management functions.

ETHERNET & Wi-Fi® TESTING CATALOG

KEY FEATURES:

- Multiple technologies supported: 5G, LTE/LTE-A, TETRA, P25, WiFi, Bluetooth, GSM, CDMA, EVDO, WCDMA, HSDPA, HSUPA, HSPA+
- Manual and Scripted tests can be created and modified with built-in script editor in AirScout Mobility
- Automatic synchronization of test results to cloud
- Remote control via Cloud for automated/remote test execution
- Android and Harmony OS supported application supporting Android 4.3 and newer, and Harmony OS
- Updated Layer3 RCC decoder for release 15 including full 5G signaling decoding support
- Features for both indoor and outdoor mapping. Including offline mode map data caching
- Indoor floor plans with markers and geodetic coordinates (Support for iBwave format).
- Geocoding indoor floor plans on top of Google Maps

KEY DIFFERENTIATORS:

- The most economical and flexible licensing in the industry
 - Flexible licensing terms - license per year, per month, per week, or per day
 - License not tied to any hardware - Use one license for different devices
 - Multiple air protocols supported with one license
- No cost upgrades to new handset firmware or technology. (Requires only free App update.)
- Full remote control of testing via a central location, so technicians do not need extensive training
- Customizable test scripts and reports to ensure testing parameters important to you.
- Complete drive test and in-building testing in one device
- Unlimited addition of new handsets to existing license.

FULL IDLE AND ACTIVE TESTING FEATURES:

- Voice call
- Voice quality
- FTP and HTTP data transfers iPerf
- HTML browsing
- YouTube video streaming testing
- Facebook testing
- SMS testing
- Ping testing

Built-in script editor in AirScout Mobility tools and in Cloud enables the creation and editing of manual and scripted tests (automatic synchronization).



PERSONAL SAFETY

WAVEMON

Wavemon personal RF Safety Monitors alert radio equipment contractors of dangerous RF exposure levels. It measures RF emissions up to 60 GHz and provides visual and audible alarms when safe levels are exceeded. The tool is accurate to any global standard, and uses an isotropic antenna for 360 degree measurements.

FEATURES INCLUDE:

- 8 GHz and 60 GHz models
- Accurate EMF measurements to +/- 3 xxx
- Response shapes to FCC
- ITU-T K.145 standard compliant
- Isotropic antenna
- Records GPS and Altimeter readings
- PC software allows review of test offline
- 30 kV/m low frequency immunity

The **WaveMon RF-60** is a 5G-ready RF Personal Monitor for the continuous monitoring of workers' exposure to EMF. It monitors E-field up to 60 GHz. Applications include: worker's safety, telecommunications, energy, railway, medical, labs, aeronautical, industry, defense.

- Overexposure Warning: Audible, visual and vibration alarm
- Weighted to FCC response
- Exposimeter with Datalogger: USB downloading and configuration
- Harness, Belt or Arm Holder: Professional and convenient





The **WaveMon RF-8** is an RF Personal Monitor for the continuous monitoring of workers' exposure to EMF. It monitors E-field up to 8 GHz and H-field up to 1 GHz. Applications include: worker's safety, telecommunications, energy, railway, medical, labs, aeronautical, industry, defense.

- Overexposure Warning: Audible, visual and vibration alarm
- Weighted to FCC response
- Exposimeter with Datalogger: USB downloading and configuration
- Harness, Belt or Arm Holder: Professional and convenient

PART NO.	CAT. NO.	DESCRIPTION
55500942	WMRF60	WAVEMON RF-60
55500943	WMRF8	WAVEMON RF-8
55501003	WMRFSTK	WAVEMON STICK
55501004	WMRFSAC	WAVEMON SAFETY ATTACHMENT CABLE
55501005	WMRFLAN	WAVEMON LANYARD



