

# DATASCOUT™ 1G

## MULTI-SERVICE NETWORK ANALYZER



**SIMPLE TO USE, FAST TO LEARN**

USA PHONE 800.435.0786  
FAX 800.451.2632

CANADA PHONE 866.384.8813  
FAX 800.524.2853

INT'L PHONE +1.815.397.7070  
FAX +1.815.397.9247

# THE COMPLETE SOLUTION FOR MULTI-SERVICE TESTING

## FASTER TIME TO RESULTS

- Ready to test 3X faster\*
- Efficient SLA verification
- Results can be exported for easy sharing

## REDUCE TIME TO REPAIR

- All-in-one analyzer that is simple to use and fast to learn, enabling technicians to quickly determine and resolve network issues, regardless of the source.

## NO MODULES REQUIRED

- Eliminates the need for multiple test modules
- Combines seven different physical layer test protocols into one complete handheld testing solution, saving time and money.

## DESIGNED FOR THE TECHNICIAN

- Ruggedized for demanding environments
- Ergonomically designed to be the lightest and smallest on the market.
- Long battery runtime provides extended field testing

*\*As compared to competitive network analyzer models.  
Subject to change without notice*



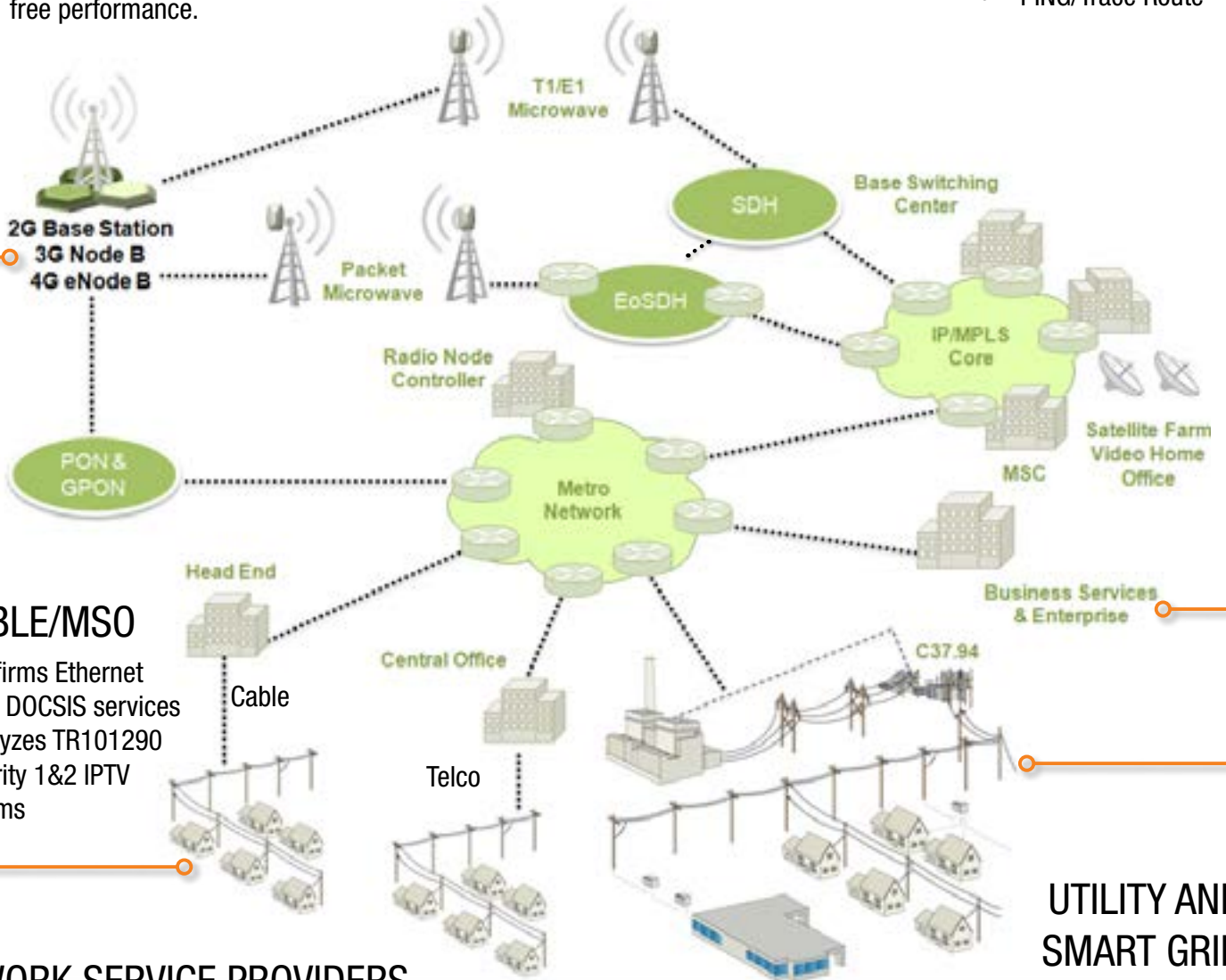
# SUMMARY OF APPLICATIONS

## MOBILE BACKHAUL

- Complete solution for mobile backhaul services
- Verifies mobile data throughput and QoS/QoE metrics
- SynchE/ITU-T G.8261 verification as well as Y.1588v2 test options enable validation of proper timing encapsulation, ensuring robust and error free performance.

## BUSINESS SERVICES & ENTERPRISE

- Up to 8 streams Ethernet BERT traffic generation
  - TIA-968 A/B wire map verification
- Tests for proper 802.11 b,g,n Wi-Fi configuration
  - Detects rogue access points
  - PING/Trace Route



## CABLE/MSO

- Confirms Ethernet over DOCSIS services
- Analyzes TR101290 priority 1&2 IPTV alarms

## UTILITY AND SMART GRID

Smart Grid/SCADA

## NETWORK SERVICE PROVIDERS

- Qualifies Ethernet services using RFC-2544 or Y.1564
- Performs DS1/DS3 BERT, PDL and Pulse Mask Analysis
- Triple play testing of VoIP, IPTV, and Ethernet services

- Verifies proper configuration and operation of Smart Grid networks
  - Validates mission critical C37.94 teleprotection circuits
  - Performs end-to-end qualification of microwave data paths
    - Certifies deregulated triple play services



## EACH UNIT COMES COMPLETE WITH:

- DataScout 1G™
- Touch-Screen Stylus
- Universal Charger
- Instruction Manual (CD)
- Soft Padded Carrying Case
- Warranty Card



## ORDERING INFORMATION

CAT NO.	DESCRIPTION
<b>HARDWARE OPTIONS</b>	
DS1G-BAS	DATASCOUT 1G ETHERNET ANALYZER KIT (INCLUDES DS1G-SW-BAS)
DS1G-PDH1	DATASCOUT 1G ETHERNET & T1/E1 ANALYZER KIT (INCLUDES DS1G-SW-T1 OR E1)
DS1G-PDH2	DATASCOUT 1G ETHERNET, T1/E1 & T3/E3 ANALYZER KIT (INCLUDES DS1G-SW-T3 OR E3 & DS1G-SW-T1 OR E1)
<b>SOFTWARE OPTIONS</b>	
DS1G-SW-BAS	BASIC ETHERNET BERT/LOOPBACK/RFC-2544 ANALYSIS
DS1G-SW-ADV	ADVANCED ETHERNET MULTI-STREAM & Y.1564 ANALYSIS (REQUIRES DS1G-SW-BAS)
DS1G-SW-VOIP	VOIP (SIP) LIVE CALLING & ANALYSIS
DS1G-SW-IPTV	IPTV TR101290 ALARM & STREAM ANALYSIS
DS1G-SW-WIFI	WIFI 802.11B/G/N ANALYSIS
DS1G-SW-E1	E1 BERT/PDL/PULSE MASK ERRORS/ALARMS ANALYSIS (REQUIRES DS1G-PDH1 OR PDH2)
DS1G-SW-CODIR	CODIR SUB-RATE ANALYSIS (REQUIRES DS1G-SW-E1)
DS1G-SW-T1	T1 BERT/PDL/PULSE MASK ERRORS/ALARMS ANALYSIS (REQUIRES DS1G-PDH1 OR PDH2)
DS1G-SW-DCOM	DATACOM SUB-RATE ANALYSIS (REQUIRES DS1G-SW-T1)
DS1G-SW-E3	E3 (REQUIRES DS1G-PDH2)
DS1G-SW-T3	T3 (REQUIRES DS1G-PDH2)
DS1G-SW-C37	IEEE C37.94-2002 ANALYSIS
<b>TEST LEADS</b>	
DS-LD-RJ-RJ	CAT 5E ETHERNET, 6FT
DS-LD-BTM-BTM	BANTAM (M) TO BANTAM (M), 6FT
DS-LD-RJ48-BTM	RJ48 TO DUAL BANTAM (M), 6FT
DS-LD-BNC-BNC	BNC TO BNC, 6FT

CAT NO.	DESCRIPTION
<b>TEST LEADS</b>	
DS-LD-BNC-BTM	BANTAM (M) TO BNC, 6FT
DS-LD-KIT-DS1	COMPLETE DS1 TEST LEAD KIT
DS-LD-KIT-DS3	COMPLETE DS3 TEST LEAD KIT
DS-ADAP-BTM-310B	ADAPTER - BANTAM (M) TO 310, BLUE
DS-ADAP-BTM-310R	ADAPTER - BANTAM (M) TO 310, RED
DS1G-LD-DCOM-530	RS-232, RS-530, DCE/DTE
DS1G-LD-DCOM-449	RS-449, DCE/DTE
DS1G-LD-DCOM-V35	V-35, DCE/DTE
DS1G-LD-DCOM-X21	X-21, DCE/DTE
DS-LD-SMF-SC-SC	OPTICAL, SMF SC TO SC, 6FT
DS-LD-SMF-SC-LC	OPTICAL, SMF SC TO LC, 6FT
DS-LD-MMF-SC-SC	OPTICAL, MMF SC TO SC, 6FT
DS-LD-MMF-SC-LC	OPTICAL, MMF SC TO LC, 6FT
DS-LD-MMF-LC-LC	OPTICAL, MMF LC TO LC, 6FT
DS-LD-SMF-LC-LC	OPTICAL, SMF LC TO LC, 6FT
<b>OPTICAL TRANSCEIVERS</b>	
DS-SFP-MMF-SX	1000BASE-SX 850NM MMF XCVR, LC
DS-SFP-SMF-LX	1000BASE-LX 1310NM SMF XCVR, LC
DS-SFP-SMF-ZX	1000BASE-ZX 1550NM SMF XCVR, LC
DS-SFP-MMF-C37	100BASE-X C37.94 850NM MMF XCVR, LC
<b>ACCESSORIES</b>	
DS1G-ACC-ANT	WI-FI ANTENNA
DS1G-ACC-CHGR	CHARGER, 110-250VAC
DS-ACC-HDSET	SPKR/MIC EARBUD
DS1G-ACC-MAN	USERS MANUAL CD
DS1G-ACC-STYLUS	TOUCH SCREEN STYLUS (3)
DS1G-ACC-USB	USB 2.0 TO MINI USB
DS1G-ACC-HCASE	PLASTIC STORAGE CASE
DS1G-ACC-SCASE	NYLON STORAGE CASE
DS1G-ACC-JACKET	PADDED PROTECTIVE JACKET



[www.greenlee.com](http://www.greenlee.com) MA6192 06/14

1390 Aspen Way • Vista, CA 92081 • USA • 800-642-2155

©2014 Greenlee Textron Inc. • An ISO 9001 Company • Printed in USA

Greenlee Textron Inc. is a subsidiary of Textron Inc.



# DATASCOOUT™ 1G

## HANDHELD MULTI-SERVICE NETWORK ANALYZER

HARDWARE OPTIONS		DS1G-BAS	DS1G-PDH1	DS1G-PDH2
<b>ETHERNET TEST OPTIONS</b>				
DS1G-SW-BAS: BASIC ETHERNET BERT/LOOPBACK/RFC-2544 ANALYSIS		Included	✓	✓
DS1G-SW-ADV: ADVANCED ETHERNET MULTI-STREAM & Y.1564 ANALYSIS (REQUIRES DS1G-SW-BAS)		✓	✓	✓
<b>IPTV, COIP, WIFI TEST OPTIONS</b>				
DS1G-SW-VOIP: VOIP (SIP) LIVE CALLING & ANALYSIS		✓	✓	✓
DS1G-SW-IPTV: IPTV TR101290 ALARM & STREAM ANALYSIS		✓	✓	✓
DS1G-SW-WIFI: WIFI 802.11B/G/N ANALYSIS		✓	✓	✓
<b>PDH TEST OPTIONS</b>				
DS1G-SW-E1: E1 BERT/PDL/PULSE MASK ERRORS/ALARMS ANALYSIS (REQUIRES DS1G-PDH1/PDH2)			Includes one	Includes one
DS1G-SW-T1: T1 BERT/PDL/PULSE MASK ERRORS/ALARMS ANALYSIS (REQUIRES DS1G-PDH1/PDH2)				
DS1G-SW-E3: E3 ANALYSIS (REQUIRES DS1G-PDH2)				Includes one
DS1G-SW-T3: T3 ANALYSIS (REQUIRES DS1G-PDH2)				
DS1G-SW-CODIR: CODIR SUB-RATE ANALYSIS (REQUIRES DS1G-SW-E1)			✓	✓
DS1G-SW-DCOM: DATACOM SUB-RATE ANALYSIS (REQUIRES DS1G-SW-T1)			✓	✓
<b>IEEE C37.94 TEST OPTION</b>				
DS1G-SW-C37: IEEE C37.94-2002 ANALYSIS		✓	✓	✓

✓ Option Available

### TEST LEADS & ACCESSORIES (AVAILABLE FOR ALL HARDWARE MODELS)

OPTICAL TRANCEIVERS	
DS-SFP-MMF-SX	1000BASE-SX 850NM MMF XCVR, LC
DS-SFP-SMF-LX	1000BASE-LX 1310NM SMF XCVR, LC
DS-SFP-SMF-ZX	1000BASE-ZX 1550NM SMF XCVR, LC
DS-SFP-MMF-C37	100BASE-X C37.94 850NM MMF XCVR, LC

TEST LEADS-OPTICAL		TEST LEADS- DATACOM	
DS-LD-SMF-SC-SC	OPTICAL, SMF SC TO SC, 6FT	DS1G-LD-DCOM-530	RS-232, RS-530, DCE/DTE
DS-LD-SMF-SC-LC	OPTICAL, SMF SC TO LC, 6FT	DS1G-LD-DCOM-449	RS-449, DCE/DTE
DS-LD-MMF-SC-SC	OPTICAL, MMF SC TO SC, 6FT	DS1G-LD-DCOM-V35	V-35, DCE/DTE
DS-LD-MMF-SC-LC	OPTICAL, MMF SC TO LC, 6FT	DS1G-LD-DCOM-X21	X-21, DCE/DTE
DS-LD-MMF-LC-LC	OPTICAL, MMF LC TO LC, 6FT	TEST LEADS- ETHERNET	
DS-LD-SMF-LC-LC	OPTICAL, SMF LC TO LC, 6FT	DS-LD-RJ-RJ	CAT 5E ETHERNET, 6FT

TEST LEADS-PDH		ACCESSORIES	
DS-LD-BTM-BTM	BANTAM (M) TO BANTAM (M), 6FT	DS1G-ACC-ANT	WI-FI ANTENNA
DS-LD-RJ48-BTM	RJ48 TO DUAL BANTAM (M), 6FT	DS1G-ACC-CHGR	CHARGER, 110-250VAC
DS-LD-BNC-BNC	BNC TO BNC, 6FT	DS-ACC-HDSET	SPKR/MIC EARBUD
DS-LD-BNC-BTM	BANTAM (M) TO BNC, 6FT	DS1G-ACC-MAN	USERS MANUAL CD
DS-LD-KIT-DS1	COMPLETE DS1 TEST LEAD KIT	DS1G-ACC-STYLUS	TOUCH SCREEN STYLUS (3)
DS-LD-KIT-DS3	COMPLETE DS3 TEST LEAD KIT	DS1G-ACC-USB	USB 2.0 TO MINI USB
DS-ADAP-BTM-310B	ADAPTER - BANTAM (M) TO 310, BLUE	DS1G-ACC-HCASE	PLASTIC STORAGE CASE
DS-ADAP-BTM-310R	ADAPTER - BANTAM (M) TO 310, RED	DS1G-ACC-SCASE	NYLON STORAGE CASE
		DS1G-ACC-JACKET	PADDED PROTECTIVE JACKET



For complete ordering details and pricing, contact your Greenlee Communications Sales Manager or Customer Service Representative.

#### Distributor Information:

SCAN THIS QR CODE FOR MORE PRODUCT INFORMATION. FOR PRODUCT VIDEOS, DEMONSTRATIONS, AND MORE, VISIT:

[www.youtube.com/GreenleeDEMO](http://www.youtube.com/GreenleeDEMO)



[www.greenlee.com](http://www.greenlee.com) MA6203 5/14  
 4455 Boeing Drive • Rockford, IL 61109-2988 • USA  
 815-397-7070 • ©2013 Greenlee Textron Inc.

