ParaScope Lite

Small. Simple. Sexy.

This portable, powerful tool is ***easy as pie*** to use! It's compact architecture, large LCD, and unmatched reliability makes the perfect tool for installing and troubleshooting T1/E1 lines and data circuits.

Besides its light weight and transportable design, its modular construction ensures that you can add extra functionality for testing jitter, data circuits, 64 Kbps G.703 and more when needed. In addition, its on board memory guarantees sufficient storage of all your test results. You can access and control the **ParaScope Lite** remotely using any PC running Windows 98/2000/ XP/and NT.

Key Features Include:

- T1: ESF, SF, unframed
- E1: PCM30, PCM31, PCM30/CRC PCM31/CRC, G.703 2048kbit/s
- Unframed E1: G.703 2048 kbit/s, G.703 64 kbit/s
- THROUGH-mode testing (transparent and overwrite)
- Bit Error Testing
- ITU-T G.821, G.826 and M2100 Analysis
- Histogram Analysis
- Error Injection
- Jitter Analysis
- Round Trip Delay Measurements
- Frequency Offset Measurements
- CAS, ABCD Monitoring
- V.24/RS232, V.35, V.36/RS449, x.21, EIA 530/530A, RS485/RS422, DTE/DCE mode
- Alarm Monitoring and Generation
- Framing Bits and Timeslot Monitoring
- Nx64 kbit/s, Nx56 kbit/s
- Remote Operation

Sell the ParaScope Lite to:

- PTTs
- Field Service Technicians
- Telcos

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USA

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ParaScope Lite

ParaScope Lite: General Specifications

Batteries, rechargeable: Li-battery (8.4V/1200mAh)
Operating time (fully-charges batteries): About 4 hours
Charging time: About 4 hours
External supply: 12V AC adaptor
Internal NVRAM: 2Mbit
Records: 9
Communication interface: RS232C
Temperature range:
Operating: 0˚ to +40˚
Storage: 5˚ to +40˚
Dimentions: HxDxW: 190x120x50(mm)
Weight: 1.5kg approx.

E1

Max bit rate: 2048kbit/s
Internal clock: 2048KHz ± 10ppm
Line code: HDB3 or AMI
G.703 jitter, tolerance and transfer: ITU-T Rec. G.823
Test pattern: PRBS (n) n=6,9,11,15,20,23
Error injection: Single, Rate: 1x10-(n) n=3,4,5,6,7
Framed/Unframed, PCM30, PCM31, (PCM30 CRC) (PCM31 CRC)
Connectors:
BMC nominal 75W unbalanced
RJ-45C nominal 120W balanced
Bridged input: Unbalanced 2kW (nominal)
Mark level:
75W unbalanced 2.37V ± 10%
120W balanced 3.0V ± 10%
Level measurement accuracy:
-39Bm to =6dBm ± 0.3dBm
-50dBm to –40dBm ± 1.5dBm
Clock source: Internal or Received from Rec Data
Monitoring and Display of: FAS, NFAS, MFAS, CRC MFAS words

TI

Max bit rate: 1544bit/s
Internal clock: 1544kHz ± 10ppm
Line clock: B8Zs or AMI
Test pattern: PRBS(n) n=6,9,11,15,20,23
Error injection: Single, Rate: 1x10-(n) n=3,4,5,6,7
Framed/Unframed, D4, EFS
Connectors:
RJ-45C nominal 120W balanced
Bridged input: Unbalanced 2kW (nominal)
Mark Level: 120W balanced 3.0V ± 10%
Clock source: Internal or Recovered from Rec Data

G.703 64K

Rate: 64kbit/s
Internal clock: 64 kHz ± 10ppm
Line code: AMI
Test pattern: PRBS (n) n=6,9,11,15,20,23
Error injection:
Single, Rate: 1x10-(n) n=3,4,5,6,7
Connectors::
BMC nominal 75W unbalanced
RJ-45C nominal 120W balanced
Mark level: The pulse mask at the output will comply with ITU-T G.703 section 1.2.1.2 (Reference 3)
Clock source: Internal or Recovered from Rec data

V SERIES

Rate: 50 Hz to 460.8 KHz
Line code: NRZ
Test pattern: PRBS (n) n=6,9,11,15,20,23
Error injection:
Single, Rate: 1x10-(n) n=3,4,5,6,7
Interfaces: V.24/RS232, V.35, V.36/RS449, X.21, RS530/RS530A