

All in One Measurement



EXA 9



New EXA S



EXA 7



EXA 7 Lite



TV



SAT



Optical Power



IP CAM



WI-FI



Sync



Speed Test



LAN



More than a field meter
From TV signals to IP and Wi-Fi networks.
From Optical Fiber to Cameras.
EXA combine the essential functions for modern installations in one device.

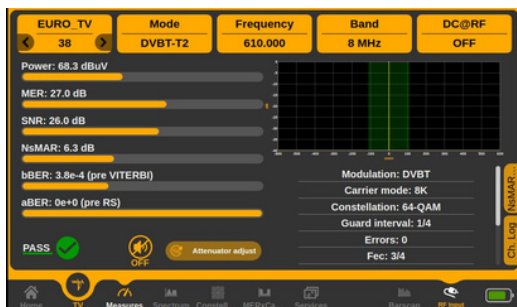


Smartphone Sync

CConnect your smartphone to EXA

Manage your EXA quickly and easily:

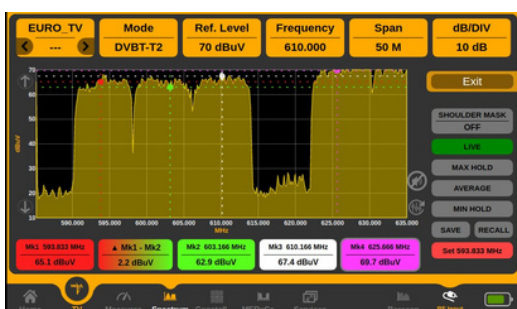
- Remote control
- Real-time measurement display
- Start measurements remotely



TV, SAT and DAB Analyzer

Analyze RF signals to quickly assess system quality:

- TV, SAT and DAB analysis
- Detection of interference and occupied channels
- RF level, quality and spectrum measurements



Spectrum Analyzer

Analyze RF signal distribution and immediately identify faults, interference and abnormal levels:

- Real-time spectrum display
- Max Hold and Peak Hold functions
- Frequency and level measurement markers
- Zoom and dynamic display adjustment



Mobile Network

View every mobile operator at a glance.

Detect LTE signals and determine whether a filter is required to prevent interference:

- Color-coded graphical analysis of LTE bands
- Operator identification through color coding
- Automatic filter check: PASS / FILTER REQUIRED
- Individual band levels for immediate diagnostics

Wi-Fi TEST

Detect interference, overlapping channels and critical issues before they become problems.

Identify interference, occupied channels and signal quality to optimize every installation:

- Analysis of 2.4 and 5 GHz Wi-Fi networks
- Graphical display of channels, detected SSIDs, signal quality and received signal level
- MAC address identification



Speed TEST

Performance matters.

Check the actual performance of your connection with a single test:

- Download and upload speed measurement
- Latency measurement (ping)
- Internet connection performance test

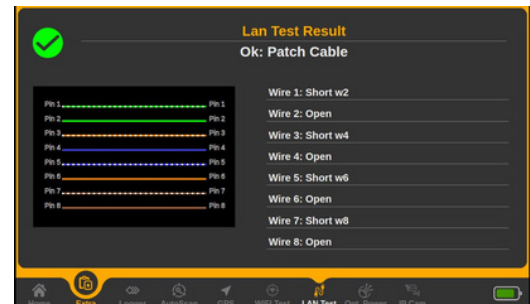


LAN TEST

The network starts with the cable.

Quickly verify Ethernet wiring and reduce troubleshooting time:

- Conductor continuity test
- Detection of short circuits, reversed pairs, open circuits and crossed wires



IP Camera TEST

Test every camera directly in the field.

View the video stream on the instrument display and verify that the system is working correctly:

- RTSP and HTTP streaming support
- Direct connection to IP cameras via Ethernet

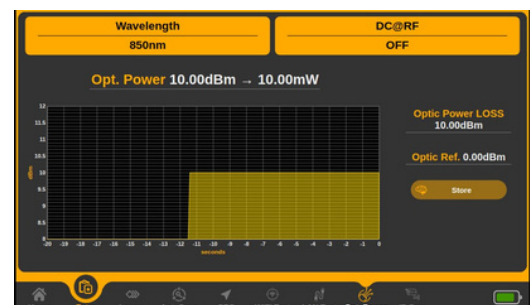


OPTICAL POWER

Test the fiber-optic network directly with your EXA.

Measure optical power without additional equipment and check the fiber link in seconds:

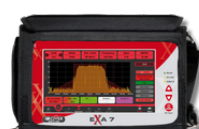
- Optical power measurement from 1310 to 1550 nm
- Simultaneous display in dBm and μ W with real-time monitoring



CROSS REFERENCE



EXA 7 Lite



EXA 7



EXA 9



EXA S

GENERAL

High-Resolution Display	7" capacitive touchscreen	7" capacitive touchscreen	9" capacitive touchscreen	7" capacitive touchscreen
Battery	Up to 4 hours	Up to 4 hours	Up to 4 hours	Up to 4 hours
Power Supply	12V DC, 3 A	12V DC, 3 A	12V DC, 3 A	12V DC, 3 A
Data Transfer / Updates	USB, WLAN, PC, Smartphone	USB, WLAN, PC, Smartphone	USB, WLAN, PC, Smartphone	USB, WLAN, PC, Smartphone
USB	2xA	2xA	2xA	2xA
PC Software Required for Data Transfer or Updates	No	No	No	No
Dimensions (cm)	27.0 x 15.5 x 4.0	27.0 x 15.5 x 4.0	28.0 x 18.0 x 4.0	27.0 x 15.5 x 4.0
Weight (kg)	1.8 kg	1.8 kg	2.0 kg	1.8 kg
Carrying Bag Included	✓	✓	✓	✓
ELITE BAG	Opt	✓	✓	Opt

FUNCTIONS

Optical Measurements

Optical Power Meter	Opt	✓	Opt	Opt
SC/APC Optical Input	Opt	✓	Opt	Opt
Optical-to-RF Conversion	Opt	✓	Opt	Opt

Data Networks and Connectivity

Wi-Fi (2.4-5 GHz), Connection and Wi-Fi Test	Opt	✓	✓	Opt
Smartphone and Tablet Connection	✓ (with Wi-Fi option)	✓	✓	✓
Wi-Fi Speed Test	✓ (with Wi-Fi option)	✓	✓	✓
LAN Connection, Parameters and Cable Test	✓	✓	✓	✓
Speed Test LAN	✓	✓	✓	✓

Remote Monitoring via PC, Tablet and Smartphone	✓	✓	✓	✓
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IPTV and IP Video Surveillance

IPTV Analysis and Viewing	Opt	✓	✓	Opt
IP CAM, IP Camera Testing and Viewing	✓	✓	✓	✓
ONVIF Compatibility and Leading Camera Brands	✓	✓	✓	✓

Mobile Network Analysis

LTE, 4G, 5G and GSM Mobile Signal Test	✓	✓	✓	✓
Mobile Network Operator Identification and Bar Spectrum	✓	✓	✓	✓

TV-SAT-CATV

Frequency	30 ÷ 2700 MHz	30 ÷ 2700 MHz	30 ÷ 2700 MHz	30 ÷ 2700 MHz
TV Power Range	5 ÷ 120 dBμV	5 ÷ 120 dBμV	5 ÷ 120 dBμV	5 ÷ 120 dBμV
SAT Power Range	5 ÷ 120 dBμV	5 ÷ 120 dBμV	5 ÷ 120 dBμV	5 ÷ 120 dBμV
Spectrum Analyzer (Real Time, Max Hold)	✓	✓	✓	✓
Digital Power, MER, BER, PER, LDPC, BCH, Noise Margin, MER vs Carrier	✓	✓	✓	✓
Constellation Diagram	✓	✓	✓	✓
BARSCAN TV & CATV	✓	✓	✓	✓
SAT EXPERT and SAT FINDER	✓	✓	✓	✓
DiSEqC, dCSS, SCR, Unicable	✓	✓	✓	✓
Wideband	from 700 MHz	from 700 MHz	from 700 MHz	from 700 MHz
ROVER AUTODISCOVERY	✓	✓	✓	✓
Net-ID Database (Net-ID, NID, TSID, LCN, SAT Orbital Position)	✓	✓	✓	✓
Combined SAT & TV Datalogger	✓	✓	✓	✓
Reflectometer	✓	✓	✓	✓
Echoes	✓	✓	✓	✓
Analog TV Level Measurement	✓	✓	✓	✓
Analog TV Picture	—	—	—	—

Audio and Video

MPEG-2/4 SD and HD with Program List, Audio/Video PIDs, LCN and Video Bitrate	✓	✓	✓	✓
H.265 HEVC DVB-T2	✓	✓	✓	✓
Dolby AC3 / DD+	✓	✓	✓	✓
TS Recorder via USB	✓	✓	✓	✓

Radio

DAB and DAB+: Spectrum, Analysis, Services and Audio	Opt	Opt	Opt	Opt
FM: Spectrum, Analysis and Audio	Opt	Opt	Opt	Opt

GPS

GPS Constellation and SNR Analysis, Magnetic Antenna Included	Opt	Opt	Opt	Opt
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