



## Packages with D3.1 SW option included

### Install and service DOCSIS 3.1 with Simplicity, Speed and Power – OneExpert CATV Signal Analysis Meter

**Improve technician productivity, increase customer satisfaction with fewer repeat service calls, and speed DOCSIS 3.1 service deployment**

Viavi Solutions introduces the first true DOCSIS 3.1 installation and service meter, OneExpert CATV. A new industry benchmark helping field technicians fix problems right—the first time. A multi-touch, user-friendly interface with OneCheck™ automated testing eases complex tasks with a simple dashboard giving clear pass/fail results.

#### Features:

- Genuine DOCSIS 3.1 solution - The first field instrument with an embedded 3.1 modem for full 3.1 service testing
- Flexible software upgrades: Enable DOCSIS 3.1 now or software enable it later when you are ready
- Ready for network expansion with automatically switching dual diplexers to support 42 & 85 MHz networks
- OFDM & 32x8 DOCSIS, Wi-Fi, and fiber optic
- Full 3 year warranty, 2 Yr. Calibration Cycle
- Field replaceable battery

#### Benefits:

- Best meter for installation and service
  - Speed – parallel measurements *eliminate incomplete testing*
  - Simplicity – empowers techs to *troubleshoot without extensive training*; automatic channel identification – no channel plan needed
  - Consistency – *improves compliance and audit performance*
- Tests throughput on DOCSIS and Ethernet up to 1Gbps – first in the industry
- Multiple models available to meet the needs from fulfillment to service tech
- Future-proof modularity ensures years of use supporting cable television and home networks

Applications: OneExpert-CATV now enables physical and service layer testing of the very latest DOCSIS 3.1 technologies allowing techs to test and validate services all the way to gigabit throughput speeds. OneExpert tests a higher number of existing DOCSIS 3.0 bonded QAM channels in addition to new D3.1 OFDM carriers, making it the perfect tool for expanding D3.0 based networks or leading edge D3.1 plants. It's the best choice for fulfillment and service techs, regardless of the technology stage you're in with your network, yet another key reason to choose OneExpert CATV.





**OneExpert (ONX) CATV – Feature / Package Comparison.**  
**These packages are pre-configured with D3.1 SW included**

	Tech1	Tech2	Tech3	Tech4
Part# without trade	ONX-CATV-TECH1-D31	ONX-CATV-TECH2-D31	ONX-CATV-TECH3	ONX-CATV-TECH4
Part # with Trade	ONX-CATV-TECH2-D31-EXCH ONX-CATV-TECH3-D31-EXCH ONX-CATV-TECH4-D31-EXCH			
Target Tech	New Hire & Contractor	Installer	Service Tech	Business Service

\* This part & pricing requires an instrument trade-in

Hardware				
Base Model	ONX-610 Basic	ONX-620 IPX	ONX-620 TSX	ONX-620 TSX
DOCSIS 3.1 Chipset	X	X	X	X
DOCSIS 3.0 Bonding - 32x8	X	X	X	X
Full 3 Year Warranty (Not Pro-rated)	X	X	X	X
96 W/Hr Battery Field replaceable	optional (48 W/Hr standard)	X	X	X
Auto 42/85 Diplex	42 MHz only	X	X	X
Fitted case w/ shoulder strap	X	X	X	X
Deluxe Accessory (carrying case, strand hook, 12 v car charger, Ethernet cord, 2nd hand strap)	optional	optional	optional	X

Enhanced Testing Packages				
TrueSpeed testing	optional**	optional	optional	X
IP Video testing	optional**	optional	optional	X
VoIP MOS testing	optional**	optional	optional	X

\*\*This option requires the IPX or TSX package

Test and Measurement				
DOCSIS 3.1 - Range, Register, Sync	X	X	X	X
OFDM analysis Avg/Min/Max - Power, MER PLC, NCP, CWE and Profile assessment	X	X	X	X
DOCSIS 3.0 - Range, Register, Sync	X	X	X	X
Standard RF Testing (Power, MER, BER, Echo, Group Delay)	X	X	X	X
ICFR Numeric (upstream and downstream)	X	X	X	X
ICFR Graphing (upstream and downstream)	Included in TSX upgrade***	Included in TSX upgrade***	X	X
200MHz Ingress Scan	X	X	X	X
Spectrum w/Ingress Under the Carrier	Included in TSX upgrade***	Included in TSX upgrade***	X	X
LTE/Off-Air Ingress	X	X	X	X
DQI	X	X	X	X
Constellation	X	X	X	X
Measurements Over Time (Power, MER, BER, DQI)	Included in TSX upgrade***	Included in TSX upgrade***	X	X
Session Expert with Drop Length (TDR)	X	X	X	X
Ethernet Ping	X	X	X	X
Wiring Tools (Hub Flash, Connection type)	X	X	X	X
SIP VoIP	Included in IPX upgrade***	X	X	X
Throughput	Included in IPX upgrade***	X	X	X
Packet Quality	Included in IPX upgrade***	X	X	X

Accessibility				
Wi-Fi Scanner	X	X	X	X
Wi-Fi Access Point	Included in IPX upgrade***	X	X	X
Wi-Fi Advisor Two-Ended testing Support	X	X	X	X
Web Browser	X	X	X	X
Remote Control via mobile application	X	X	X	X
Fiber Scope Support Plug and Play	X	X	X	X
MP-60/80 Optical power support	X	X	X	X

\*\*\*Individual Pricing and Part Numbers of the IPX and TSX package upgrades are not yet finalized