



OPTICAL FIBRE EQUIPMENT

MEASURING INSTRUMENTS, EQUIPMENT, AND ACCESSORIES

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OPTICAL POWER METERS



▼ PROLITE-57

LOW COST OPTICAL METER

PASS/FAIL MODE WITH ADJUSTABLE MARGINS

Calibrated wavelengths	1310, 1490 and 1550 nm
Measurement margin	-50 to +20 dBm (at 1550 nm)
Data storage	1000 measurement sets PC transferring via USB

▼ PROLITE-63B

LOW COST OPTICAL POWER METER

SMART AND FUNCTIONAL POWER METER

Calibrated wavelengths	850, 1300, 1310, 1490, 1550 and 1650 nm
Measurement margin	-40 to +10 dBm (at 1550 nm)
Data storage	999 items. PC transferring via USB

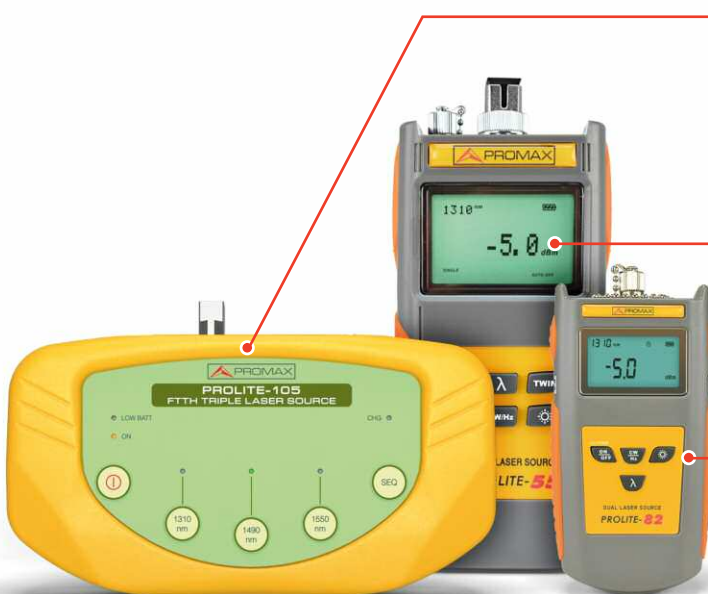
▼ PROLITE-67

SELECTIVE POWER METER FOR FTTX-XPON

ADVANCED FIBER OPTIC METER FOR SERVICE ACTIVATIONS

OLT input	From 1100 to 1700 nm
OLT input	1310, 1490 and 1550 nm
Functions	Service activation and OLTs (individualized measurement by wavelength). Attenuation meter. VFL, Datalogger

LASER LIGHT SOURCES



▼ PROLITE-105

TRIPLE WAVELENGTH FTTH LASER SOURCE

STANDARD WAVELENGTHS: 1310, 1490, 1550 nm

Operating modes	One, two or three modulated wavelengths or sequential mode
Modulation	270 Hz, 1 kHz, 2 kHz (1310/1490/1550 nm)
Optional	1310, 1550 and 1625 nm wavelengths

▼ PROLITE-55

LOW COST TRIPLE WAVELENGTH FTTH SOURCE

GENERATED THE STANDARD WAVELENGTHS

Wavelengths	1310, 1490, 1550 nm (± 20 nm)
Modulation	270 Hz, 1 kHz, 2 kHz (1310/1490/1550 nm)
Operating modes	Continuous or variable

▼ PROLITE-82

DOUBLE WAVELENGTH LASER SOURCE

FOR MULTIMODE FIBERS

Wavelengths	850, 1300 nm
Selectable output frequencies	270 Hz, 1 kHz, 2 kHz
Emitter type	LD

POCKET DEVICES



▼ PROLITE-11B

MINI VISUAL LASER SOURCE

THE MOST ERGONOMIC OPTION FOR DISTANCES UP TO 18 KM

Wavelength	650 nm $\pm$ 10 nm
Output modes	Continuous or modulated wavelength (2 Hz)

▼ PROLITE-17

POCKET OPTICAL METER

MINI OPTICAL METER WITH RANGE +10 TO -70 dBm

Wavelengths	850, 1300, 1310, 1490, 1550 and 1925 nm
Measurement margin	+10 to -70 dBm (at 1550 nm)

▼ FIBERTEST UTP

3-IN-1 OPTICAL POWER METER

POWE METER + VFL + UTP CABLE TESTER

Optical power meter	850, 1300, 1310, 1490, 1550, 1625, 1650 nm
Detected frequencies	270 Hz, 330 Hz, 1 kHz, 2 kHz
Visual fault locator	650 nm $\pm$ 3 nm, 2 mW power (>20 km)
UTP cable tester	Sequential test of each of the 8 wires

OTDR (OPTICAL REFLECTOMETERS)



▼ PROLITE-50B ▼ PROLITE-52 **SINGLE MODE**

PROLITE-50B	
Wavelength / Dynamic range	1310 / 1550 nm, 28 dB
PROLITE-52	
Wavelength / Dynamic range	1625 nm, 37 dB

▼ PROLITE-51C **SINGLE MODE**

Wavelength	1310 / 1550 / 1625 nm
Dynamic range	43 / 42 / 42 dB

▼ PROLITE-53B **SINGLE MODE / MULTI MODE**

Wavelength	850 / 1300 nm (MM), 1310 / 1550 (SM)
Dynamic range	23 / 28 / 38 / 36 dB

▼ IC-091 ▼ IC-092 ▼ IC-093

SINGLE MODE/MULTI MODE LOW COST OTDR

IC-091	Multi mode and Single mode
Wavelength	850 / 1300 / 1310 / 1550 nm
Dynamic range	29/30 dB (MM), 37/38 dB (SM)
IC-092	Multi mode
Wavelength	850 / 1300 nm
Dynamic range	29 / 30 dB
IC-093	Single mode
Wavelength	1310 / 1550 / 1625 (PON) nm
Dynamic range	37 / 38 / 36 (PON) dB

▼ x300 PROBE **OPTIONAL INSPECTION PROBE FOR IC-091/092/093**

FUSION SPLICERS + ACCESSORIES

SWAPPABLE BATTERIES

TWO SWAPPABLE RECHARGEABLE BATTERIES ARE INCLUDED



PROLITE-42

ULTRA SLIM SPLICER

300 SPLICINGS PER BATTERY CHARGE

Applicable fibers	SM, MM, DS, NZDS Cable indoor and 0.25 mm, 0.9 mm, SC connector (optional)
Fibre aligning method	Core aligning
Included accessories	Cleaver, Stripper, AC adapter, Spare electrodes, Fusion protection sleeves, Cooling tray, 2 Removable batteries, Carrying case

PROLITE-41

COMPACT SPLICER

INTERCHANGEABLE HOLDERS.
SPICE-ON-CONNECTOR (SOC)

Applicable fibers	SM, MM, DS, NZDS
Fibre aligning method	Both core alignment and cladding alignment
Included accessories	AC adapter, Cleaver, Spare electrodes, Cooling tray, Tweezers, Carrying case, Standard stripper, Fibre drop cable stripper, Magnetized clamp heater and spare, Dust blowing pear, Isopropyl alcohol dispenser, Protective sleeves, USB to PC cable,

SPLICING KITS AND ACCESSORIES



OP-040B

FUSION KIT EXTENSION

FOR OWNERS OF A FUSION SPLICER,
A CLEAVER AND A STRIPPER

AF-004	Isopropyl alcohol cleaning wipes
AF-007	Fibre disposal unit
AF-008	Kevlar scissors
AF-009	Connector cleaner
AF-010	SC/APC pre-polished connectors
AF-011	Mechanical splicer
PROLITE-11B	Pocket-size visual fault locator (VFL)
DC-229	Rugged Suitcase for transport and storage

PL-10B

CONNECTORIZATION KIT

FOR OWNERS OF AN OPTICAL FIBRE
SPLICER WITH NO ACCESSORIES

AF-001	Optical fibre cleaver
AF-003	Optical fibre stripper



Kit OP-040B	Isopropyl alcohol cleaning wipes Fibre disposal unit Kevlar scissors Connector cleaner SC/APC pre-polished connectors Mechanical splicer Pocket-size VFL Rugged Suitcase for transport
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ADDITIONAL ACCESSORIES

AF-002	Spare electrodes for PROMAX fusion splicers
AF-005	Protective sleeves
AF-006	Spare blades for PROMAX fusion splicing cleavers
AF-012	Fibre microscope
AF-014	Round cable stripper
AF-015	Mid-span fiber access tool

ALL ITEMS ARE ALSO SOLD SEPARATELY

FIBRE OPTICS MEASUREMENT KITS

PL-675 PROFESSIONAL MEASUREMENT KIT
SELECTIVE FTTH POWER METER + TRIPLE FTTH LASER SOURCE



Simplify fiber cabling certification in buildings with this device. It enables a single operator to certify all optical outlets by connecting the **PROLITE-105** light source to the building's fiber optic input, automatically generating pilot signals. The operator then uses the **PROLITE-67** FTTH meter to verify the received optical power at each outlet.

KIT COMPONENTS	
1x Signal generator	PROLITE-105
1x Selective optical power meter	PROLITE-67
1x SC-SC optical adapter	AD-096
2x Optical fibre pigtails	CC-378AA
1x Transport suitcase	0 PG4410

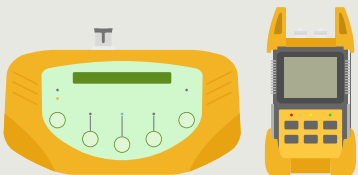
PL-575 LOW COST MEASUREMENT KIT
ENTRY-LEVEL EQUIPMENT: FTTH METER + LIGHT SOURCE



Featuring the **PROLITE-55** light source and the **PROLITE-57** meter. Engineered with a "low cost" approach, these devices offer the essential functions for certifying optical distribution systems. Using the defined measurement procedures, operators can complete the fiber optic certifications jobs. The installer is empowered to take charge of the measurement process.

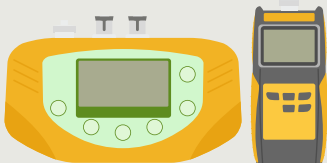
KIT COMPONENTS	
1x Triple laser source	PROLITE-55
1x Selective optical power meter	PROLITE-57
1x SC-SC optical fibre adapter	AD096
2x Optical fibre pigtails	CC-378AA
1x Transport suitcase	0 PG4410

CERTIFYING AN OPTICAL FIBER INSTALLATION USING PROMAX EQUIPMENT



FIBER OPTIC BUILDING ENTRY

Connect the **LASER** generator to the building's fiber optic entry point. It will produce either a single user-selected wavelength (**PROLITE-55**) or it will cycle through all three optical wavelengths (**PROLITE-105**).



USER OUTLETS

The **FTTH** meter connected to the final outlets identifies the wavelength (**PROLITE-57**) or all three wavelengths simultaneously (**PROLITE-67**) and it determines the received power and losses at each outlet. It also indicates if the losses are within the acceptable range according to the network type.

CABLE CERTIFIERS



IC-019C IC-088D

CAT8 CERTIFIERS UP TO 3 GHz

COPPER AND OPTICAL FIBER (SINGLE- AND MULTI-MODE) WITH REPLACEABLE ADAPTERS

Category	CAT-6a (IC-019D) / CAT8 (IC-088D)
Features	Ultra fast tests (7 seconds). Optional optical fibre

IC-019 ICT

NETWORKS CERTIFIER FOR FTTH

A KIT INCLUDING THE TEST EQUIPMENT AND THE ESSENTIAL ADAPTERS FOR FTTH SERVICE ACTIVATION

Category	CAT-6/6a. Includes CAT6 adapters
Features	Customizable PDF measurement reports Optional optical fiber

IC-019C

CAT6A CABLE CERTIFIER

COPPER AND FIBRE. EXTENDS CAT7/6A REQUIREMENTS.

Category	CAT-6A.
Features	Includes visual fault locator (VFL) Available smartphone APP Simple and advanced measurement reports

LAN TESTERS



IC-082

OPTICAL, FIBER OPTICS AND WIFI NETWORKS

MEASUREMENT DEVICE FOR ACTIVE OR PASSIVE NETWORKS IN COPPER AND SINGLE-MODE OR MULTI-MODE FIBER

It performs fault checks, accessibility tests, traffic statistics, mappings, PoE and VoIP measurements, etc. It supports IPv6 and PoE+ networks. The loop mode allows it to act as a remote loop unit for traffic testing in WAN networks. Optional fiber adapters (single-mode and multi-mode).

IC-081C

COPPER, OPTICAL FIBER AND INDUSTRIAL ETHERNET TESTER

TESTING IN ACTIVE AND PASSIVE NETWORKS WITHOUT INTERRUPTING NETWORK TRAFFIC

IPv6 compatible. Exports data in PDF via USB or WiFi. Auto-configuration for fiber and Ethernet. Self-test mode. Industrial Ethernet (PROFINET) support allows obtaining node information via SNMP and DCP without interrupting traffic.

IC-081

VOICE AND DATA TESTER FOR COPPER AND FIBER NETWORKS

OPTIONAL OPTICAL FIBRE ADAPTERS FOR SINGLE-MODE AND MULTI-MODE FIBRES

This is an advanced and versatile wire mapping tool, designed to be fully compatible with PoE, IPv6, and 802.1x networks. It integrates the sophisticated features of several dedicated cable analyzers into a single, comprehensive unit.

TV & SPECTRUM ANALYZERS WITH FIBER OPTIC EXPANSION

RANGER NEO EVOLUTIONARY FEATURES SPECTRUM ANALYZERS



SELECTIVE OPTICAL POWER METER AND OPTIONAL OPTICAL-TO-RF CONVERTER

ATLAS NG UNIVERSAL BROADCAST ANALYZERS



INCLUDES POWER METER
OPTION: SELECTIVE METER + OPTICAL-RF CONVERTER



H.265
H.265 HEVC
analyzer and
decoder



Wi-Fi
Wi-Fi
networks
analyzer



T2-MI
T2-MI
signal
measurements



TS
Transport
Stream
recorder
and analyzer



Webserver
Full remote
control
(webControl)



DAB+
Digital Audio
Broadcast
radio



Optical Power
Meter and RF
converter



CI Slot for
encrypted
channels



DCSS
Digital
Channel
Stacking
Switch LNB



GPS
GPS for signal
coverage
analysis



IPTV
Extended
IPTV
functions



6
Up to 6 GHz
spectrum
analyzer



4K
Ultra HD
image
decoding
and display

TECHNICAL SPECIFICATIONS

Measurements (standard-dependant)	Power, C/N, CBER, VBER, LBER, MER, C/N, Link margin, BCH ESR, Wrong packets, LDPC iterations
RANGER Neo+ Digital standards	DVB-T/T2/T2 Lite, DVB-C/C2, DVB-S/S2, DVB-S2 Multistream, ISDB-T/Tb, DSS, ACM, VCM, CCM
Inputs and outputs	Universal RF, HDMI output, IP (remote control), analog V/A, 2xUSB
Functions (excerpt)	Constellation, LTE, Dynamic echoes, PLS, Spectrum analyzer, FM RDS, Beacon for SNG/VSAT, WiFi, LTE, OTT, Service recording, Merogram, Spectrogram, Monitoring, Remote control, MER by carrier, Shoulders, SCAN, TILT
RANGER Neo 2 Digital standards Inputs and outputs	Includes all Neo+ features MPEG-TS ASI-TS input/output, Multicast IPTV input, Common Interface slot
Functions	TS recording, TS analyzer, Multicast IPTV measurements IPTV and decoding
RANGER Neo 3 Digital standards Inputs and outputs Functions	Includes all Neo 2 features DVB-T2-MI 1 pps input Network delay (DVB), DVB-T2-MI analysis
RANGER Neo 4	Includes 4K decoder

TECHNICAL SPECIFICATIONS

Digital standards Radio and Terrestrial TV	DVB-T/T2 (T2-base, T2-lite), ATSC 1.0/3.0, ISDB-T/Tb (full seg / 1seg), DAB, DAB+
Digital cable Digital satellite Analog	DVB-C/C2, J.83 annex-B, 16/64/256-QAM DVB-S/S2/S2x, DSS, QPSK Terrestrial analog, FM RDS
Inputs and outputs	RF, ASI-SDI input/output, SPF+, RJ45, Analog A/V, HDMI output, USB 2.0 / 3.0, Optical FC/APC, 1 PPS, IPTV, Stereo audio, Common Interface slot
Functions (excerpt)	Constellation, LTE, Dynamic echoes, PLS, Spectrum analyzer, 4K decoder, FM RDS, Beacon for SNG/VSAT, WiFi, LTE, OTT, Service recording, Merogram, Spectrogram, Remote control, MER by carrier, GPS for drive test, SCAN, TILT, IPTV multicast measurements and decoding, Shoulders, Network delay, DVB-T2-MI, Eye diagram(SDI), ALP recording, Carrier frequency drift test

SCAN TO GET THE CATALOGS



TV & SPECTRUM ANALYZERS WITH FIBER OPTIC EXPANSION



✓ Incluido

● Opcional

	ATLAS	RANGER Neo				HD RANGER UltraLite y Eco
		3 y 4	2	+	Lite	
Descodificador 4K	✓	Neo 4				
Descodificador HEVC H.265 + 4K Frame Grabber	✓	✓	✓	✓	✓	
H.265 10 bit	✓					
Pantalla táctil	✓	✓	✓	✓	✓	
Pantalla multi táctil 10,1"	✓					
Compatible con LNB de banda ancha (wbLNB)	✓	✓	✓	✓	✓	
Analizador Wi-Fi 2,4 GHz + LTE de 1,8 GHz + OTT	✓	✓	✓	✓	✓	
OTT avanzado	✓					
Salida HDMI	✓	✓	✓	✓	✓	
Entrada de Video/Audio	✓	✓	✓	✓	✓	✓
Autonomía	> 4 h	> 4 h	> 4 h	> 4 h	> 2 h	> 2 h
Filtros de resolución 200 kHz, 1 MHz	✓	✓	✓	✓		UltraLite
Filtros de resolución 2, 10, 20, 30, 40 kHz	✓	✓	✓			
Analizador de ecos	✓	✓	DVB-T/T2/C2	DVB-T/T2/C2	DVB-T/T2/C2	✓
Diagrama de constelación	✓	✓	✓	✓	✓	✓
webControl y Streaming de Video/Audio	✓	✓	✓	✓		
Espectrograma	✓	✓	✓	✓		
DVB-T/T2: Merograma y MER por portadora	✓	✓	✓	✓		
SCAN + TILT	✓	✓	✓	✓		
Analizador IPTV	✓	✓	✓			
IPTV VLAN, Análisis multistream de multicast/unicast	✓	✓	✓			
E/S de TS-ASI, análisis de TS analysis y grabación	✓	✓	✓			
Slot Common Interface (canales encriptados)	✓	✓	✓			
Medida de atenuación de shoulder	✓	✓	✓	✓		
T2-MI y Network delay Margin (DVB)	✓	✓				
Análisis de cobertura GPS	✓	✓	●	●		
Monitorización de señal	✓	✓	✓	✓		
Analizador avanzado DAB/DAB+	●	●	●			
Analizador avanzado radio FM	●	●	●			
WiFi 5 GHz + LTE 2,6 GHz + Entrada RF 6 GHz	●	●	●	●		
Medidor de potencia óptico + Conversor Óptico a RF + WiFi 5 GHz + LTE 2,6 GHz + Entrada RF 6 GHz	●	●	●	●		
ATSC	✓		versión ATSC	versión ATSC	versión ATSC	
ATSC 3.0	✓					
Análisis de PSIP y soporte de Closed Caption	✓		versión ATSC			
Estándar ISDB-T + QAM annex B	✓	✓	✓	✓	✓	
DVB-S/S2 + DSS + ACM/VCN + DVB-T/T2/C/C2	✓	✓	✓	✓	✓	✓
DVB-S2x	✓					
Analizador SDI	✓					
Medida de Jitter	✓					
Nuevo analizador de espectros (hasta 6 GHz, 4 marcadores)	✓					
Funciones básicas de Fibra Óptica	✓					
Prueba de Carrier frequency drift	✓					
Funda de transporte	✓	✓	✓	✓	✓	✓
Maleta de transporte reforzada	✓	✓	✓	✓		

10/23

DISEÑO Y ESPECIFICACIONES SUJETOS A CAMBIOS SIN PREVIO AVISO