# MEASUREMENTS IN OPTICAL FIBRES

## TV EXPLORER *HD* / *HD LE* / *HD+* OPTICAL MODULES

*Conversion modules for TV EXPLORER to fibre optics allow integrating a selective power meter for FTTH and an optical converter into the field meter.*

*Therefore, the TV EXPLORER field meter becomes a true "all in one" for the telecommunications installer.*

*Conversion modules are available for TV EXPLORER HD, HD+ and HD LE models (for new equipment or to upgrade in user-owned equipment).*


✓ **For new equipment or to upgrade user-owned equipment**

| | To install the module when purchasing a new meter ... | ... or to update your own meter? |
|---|---|---|
| FTTH selective meter | OP-009-OP | PA-009-OP |
| FTTH selective meter + Optical to RF converter | **OP-009-PS** | **PA-009-PS** |

➔ ***Turn the TV EXPLORER into a selective power meter to certify fibre-optic installations***

Fibre-optic installations requires selective measurements. In response to this PROMAX puts a complete selective power meter at the disposal of installers, which uses its display to show the results. It can also automatically create certification reports. Everything exactly as you would expect from an independent meter.

➔ ***Direct connection to optical LNBs***

An internal converter is available to measure optical signals coming from optical LNBs or other sources . In some cases, there are even external converter accessories such as the CV-100, which converts the optical fibre signal into RF signal in order to show it on the meter display.

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## TV EXPLORER *HD* / *HD LE* / *HD+* OPTICAL MODULES

## Selective power meter for FTTH

It allows the field meter to work on fibre optic networks. Along with a triple wavelength laser source, it **certifies FTTH installations** even before it has an actual signal..

**RF installers** that want to also **work on fibre optic networks** will find this option very interesting: by upgrading their meter they will avoid making extra financial investment in an additional FTTH meter.

- Selective meter of optical power.
- 1310, 1490 and 1550 nm wavelengths. Along with a triple wavelength laser source (eg., PROLITE-105), it allows testing and certifying a fibre optic installations according to usual regulations.
- Check attenuation simultaneously at three reference wavelengths.
- Pass-fail function.
- Automatic generation of measurement protocols.


## Optical to RF converter from 65 to 2150 MHz

It allows a **TV EXPLORER** to receive signals directly from an optical fibre and to modulate them in RF. Very useful for new **optical LNBs**, to point TV Satellite antennas with no other instrument than the field meter.

It is also useful for measurements in **optical links for terrestrial / cable TV**. The innovative design of this module allows the user to work also in cable and terrestrial television applications up to 1 GHz, enjoying all the features of your **TV EXPLORER *HD***, DVB-T and DVB-C measurements, constellation, MER, BER, etc.


| | |
|---|---|
| RFconverted band:<br>Cable and DTT Optical Links<br>Optical IF-Satellite installations | From 65 MHz to 1000 MHz<br>From 950 MHz to 5450 MHz<br>(for universal optical LNB) |
| Optical input | From 1200 nm to 1600 nm |
| RF output | 65 MHz to 2150 MHz |
| Optical power meter | Yes |

*Note: Installing the optical fibre option replaces the ASI IN and ASI OUT connections.*



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