

## SELECTIVE OPTICAL POWER METER FOR FTTX-xPON



| AUTO BROADBAND POWER METER |              |       |             |
|----------------------------|--------------|-------|-------------|
| ID                         | $\lambda$ nm | PWR   | LOSS dBm/dB |
| 1310                       | PASS         | -02.0 | -00.0       |
| 1490                       | PASS         | +05.0 | -00.0       |
| 1550                       | FAIL         | -00.0 | -00.0       |

↑ Wavelength      ↑ Diagnostics      ↑ Attenuation      ↑ Reference

| TEST ATENUACION ICT ( 1) |       |        |
|--------------------------|-------|--------|
| $\lambda = 1310$ nm      | -02.1 | ATN dB |
| $\lambda = 1490$ nm      | -01.0 | ATN dB |
| $\lambda = 1550$ nm      | -01.5 | ATN dB |

| xPON METER          |                |       |
|---------------------|----------------|-------|
| UP 1310 nm          | 1490 $\lambda$ | DW    |
| PASS                | -03.4 dBm      | -21.0 |
|                     | 1550 $\lambda$ | -17.0 |
| Threshold: out 1:16 |                |       |

### ✓ MODE 1: Selective Meter by wavelength. 1310-1490-1550 nm

Simultaneous measurement for three wavelengths (1310/1490/1550 nm) generated by the PROMAX triple laser source in order to certificate optic fibre.

Analysis of the signal level (Pass / Fail) according to thresholds editable by the user.

Absolute and Relative measures display.

### ✓ MODE 2: Optical measurements on active networks xPON and RFoG

**Measurement of the upstream bandwidth (ONT):**

Burst detector calibrated at 1310 nm (PON) and 1610 nm (RFoG).

**Measurement of the downstream bandwidth (OLT):**

Selective measurement by wavelength. 1490 / 1550 nm.

- ✓ Attenuation test
- ✓ Visual locator to find faults in the fibre.
- ✓ Red laser at 650 nm with an universal connector.
- ✓ User interface in several languages.
- ✓ Connection USB to PC to transfer the data recorded by the instrument.

