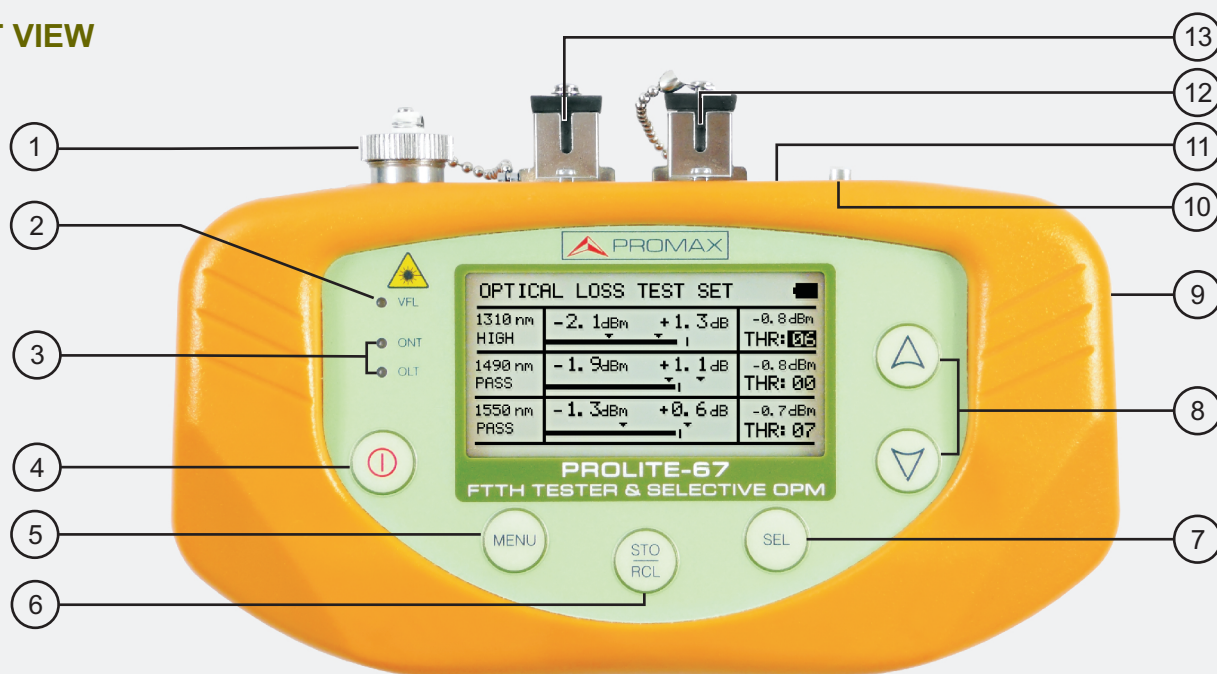## FRONT VIEW

1 Universal Adaptor (2,5 mm) for Laser (650 nm) Output.

> ⚠️ **WARNING: VISIBLE LASER LIGHT (650 nm).
> NOT STARE INTO BEAM LASER CLASS 2.**

2 Laser Status **LED** to use at the **VISUAL FAULT LOCATOR** function:
LED OFF:	Laser stopped.
LED RED:	Laser working.
BLINKING:	Laser working on pulses.

3 **LEDs** Status for **ONT** (Upstream) and **OLT** (Downstream):
COLOURS:	**GREEN** (value within thresholds).
	RED (value below threshold).
	ORANGE (value above threshold).

4 **ON** / **OFF** Key.

5 Main Menu Access Key.

6 Storage Data Button (**STO**) / Recall Data Button (**RCL**).

7 This button has several functions depending what screen you are:
Menu Screen:	It gets into the selected option.
Function Screen:	It moves between editable fields.
Configuration Screen:	It goes to editable field.

8 These buttons have several functions depending on the screen:
Menu Screen:	It moves between the menu options.
Function Screen:	It shows the available values for the selected option. It also allows capturing the current value as a reference value by pressing both buttons simultaneously.

9 External 12 V DC Power Input.

10 Anchor point for wrist strap.

11 **Mini-USB** female connector.

12 **SC-APC** Connector (Female) for Optical Power Meter (**OPM**) and **OLT** signal.

13 **SC-APC** Connector (Female) for **ONT** input signal.

FUNCTION DESCRIPTION

```
ATTENUATION TEST        ▮
 λ=1310nm    ↓+0.1 ᴬᵀᵀ ✓
                   dB
 λ=1490nm    ↓+4.0 ᴬᵀᵀ ✗
                   dB
 λ=1550nm    ↓+0.3 ᴬᵀᵀ ✓
                   dB
```

ATTENUATION TEST:

This option measures simultaneosuly and selectively losses for the three wavelenghts trasmitted by a generator (**PROLITE-105**) installed at the end of the fibre in order to certify the installation.

```
OPTICAL LOSS TEST SET   ▮
1310 nm  -2.1dBm  +1.3 dB   -0.8dBm
HIGH                        THR:06
1490 nm  -1.9dBm  +1.1 dB   -0.8dBm
PASS                        THR:00
1550 nm  -1.3dBm  +0.6 dB   -0.7dBm
PASS                        THR:07
```

OPTICAL LOSS TEST SET:

This option, besides measuring as in the previous option, it measures also the optical power and displays its status relating to an editable threshold value.

```
OPTICAL POWER METER     ▮
1490 1kHz  ↓-0.09 ᴾᵂᴿ
     nm            dBm
REF:+0.7dBm      LOSS: +1.6dB

THR:00    THR  0         PASS
```

OPTICAL POWER METER:

This option measures optical power at the **OPM** input (**OLT**) in the whole band and allows you to take a reference value to measure from it. It also detects low-frequency modulation in test signals.

```
XPON POWER METER        ▮
UP      1310nm  DWN1    1490 nm
                +0.0 dBm  T:00 ✓
↓ -10.2dBm      DWN2    1550 nm
                -38.5dBm  T:03 ↓
THR:01 ONT  1↓
```

xPON POWER METER:

This option measures the optical power from both signals coming from **OLT** (Downstream) and the power coming from **ONT** (Upstream), allowing communication between them.

```
XPON LOSSER METER       ▮
-40  -20   0   20  40    1310 nm
     1310 nm            R: 0.1dBm
                       +10.3dB
     1490 nm           R: 0.7dBm
                       -7.1dB
     1550 nm           R: 0.3dBm
                       +39.1dB
```

xPON LOSSES METER:

This option measures losses for **OLT** and **ONT** signals at anywhere on the network.

```
LOGGER000 08:31:59 31/03/14
UPSTREAM
LOSS:    ↓+32.0 dB    1310 nm
DOWNSTREAM
LOSS:    ↓+50.0 dB    1490 nm
LOSS:    ↓+50.0 dB    1550 nm
```

LOGGER:

LOGGER function takes data and save them on the memory, so they can be viewed or downloaded on a computer. Each function has its own logger memory up to 500 loggers par function.

```
CONFIGURATION           ▮
▸V.FAULT LOCATOR         OFF
 ATTEN. THRESHOLD:       2.0 dB
 THRESHOLD CONFIG
```

CONFIGURATION:

This option gives access to enable the **VISUAL FAULT LOCATOR**, threshold edition and threshold value to certify an installation.

```
SETUP                   ▮
 LANGUAGE          ESPAÑOL
 TIME              13:14
 DATE              27/04/14
 BEEP              ON
 BACKLIGHT MODE    ON
 LCD CONTRAST
▸AUTOPOWER-OFF     58 MIN
```

SETUP:

This option allows you to configure some parameters such as language, time, data, contrast, etc.

To access any of these menus, press the button **MENU** (MENU) [**5**] to access the main menu and then press **UP** (△) or (▽) **DOWN** [**8**] until your option is selected. Now press **SEL** (SEL) [**7**].