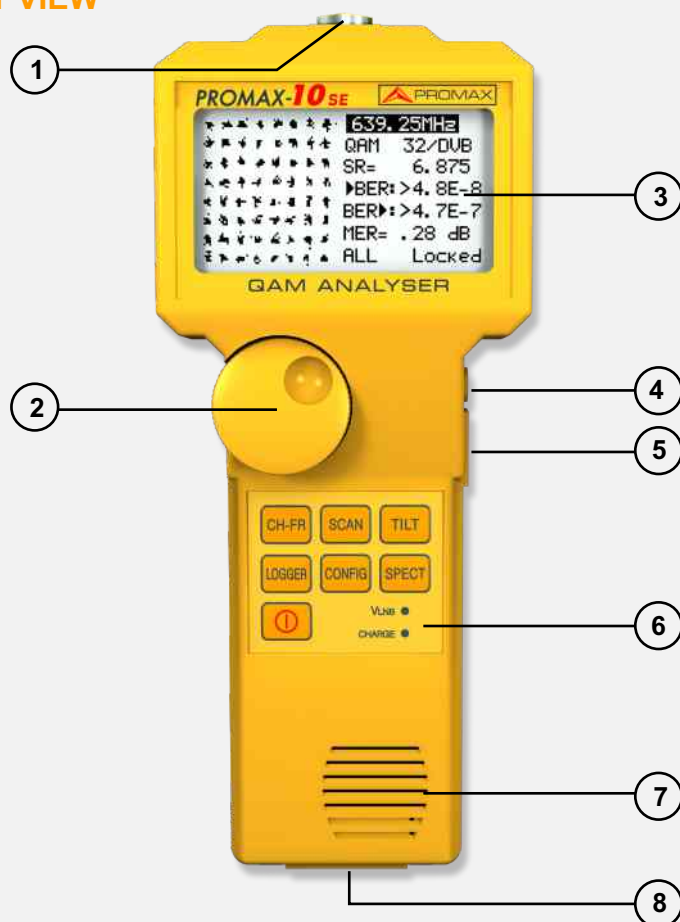


## FRONT VIEW



**DVB**  
Digital Video  
Broadcasting

Trademark of the  
DVB - Digital Video  
Broadcasting Project

- ① "F" male base connector.
- ② Rotary selector/Push button.
- ③ Graphic display with back lighting.
- ④ DC power adapter external input.
- ⑤ Volume control.
- ⑥ Select Function keypad.
- ⑦ Loudspeaker..
- ⑧ Service Connector.

## KEYBOARD

- CH-FR** Selects the **CHANNEL - FREQUENCY** operating mode.
- SCAN** Selects the **SCAN** operating mode.
- TILT** Selects the **TILT** operating mode.
- LOGGER** Selects the **DATALOGGER** operating mode. Enables multiple measurements to be taken, visualised, printed or transferred to a PC automatically.
- CONFIG** Access to **CONFIGURATION** menus specific to each operating mode and to the global configuration menu of the unit.
- SPECT** Selects the **SPECTRUM ANALYSER** and the **TRANSIENT DETECTOR** operating modes.
- ⏻** On/Off key.
- V.LNB** LNB external supply indicator.
- CHARGE** Battery charge indicator.

## FUNCTION KEYS



It changes between frequency tuning and channel tuning. The operating mode measures the video carrier **level**, the Carrier/Noise ratio (**C/N**), the Video/Audio ratio (**V/A**) and activates audio carrier demodulation for **analogue** channels. For **digital** channels, it measures the Channel Power and the Carrier/Noise (**C/N**) ratio. It also measures the **CSO** and **CTB** intermodulation. Only for **PROMAX-10 SE**, it measures the Bit Error Rate (**BER**), the Modulation Error Ratio (**MER**) and displays the Constellation Diagram for digital channels.



The **DATALOGGER** operating mode enables multiple measurements to be performed and memorised for subsequent checking, transfer to PC or printing. It can perform and store up to 55 obtained measurements or loggers in the memory. Each logger carries out level, C/N, V/A, channel power or MER measurements on the channels activated in the channel plan (up to a maximum of 140 channels).



The **SCAN** operating mode shows the signal level of all channels present on the chosen frequency band in a bar-graph display. The span and the reference level may be selected through the rotary selector. In addition, a moving marker shows the numeric level of any specific channel. This mode also permits to define the pilot channels, used for the TILT measurement (only in the forward band).



This key permits to access to 2 operating modes:

The **SPECTRUM ANALYSER** mode provides a spectrum analysis over the entire band in two parts: return path or sub-band (5 to 80 MHz) and forward band (5 to 863 MHz). The span is user definable between 1 and 100 MHz. In addition, it is possible to change the reference level, and **maximum** and **minimum** levels may be detected and held for INGRESS measurements.

In the **TRANSIENT DETECTOR** mode, it operates as a transitory counter in the return path. The level detection threshold and the frequency margin are user definable.



The **TILT** operating mode shows on the display, both graphically and numerically, the level difference between any four channels, previously defined as pilot channels, in order to obtain information about band equalisation. This function can be applied to the forward band and to the return path, independently.



The parameters relative to a particular operating mode can be modified through the **configuration menu associated to the mode**. In order to access the configuration menu associated to a particular operating mode, simply press the **CONFIG** key. Some modes have more than one configuration page, to access to the second page it is necessary to press the **CONFIG** key again. The general parameters of configuration (selecting/editing the channel plan, measurement units, language, etc.) can be changed through the **Global Configuration Menu**, to which it is access by pressing again the **CONFIG** key. To leave a configuration menu, just press the key of the operating mode you wish to access.

