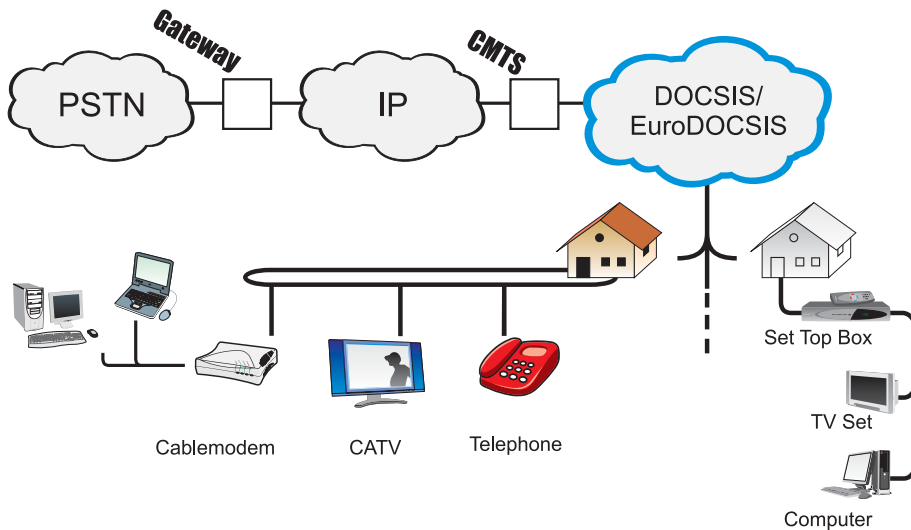


CABLE TV & DATA ANALYSER



Channel Qualification

The **PROMAX-26** includes a signal generator, a pilot signal with selectable level, frequency, modulation and symbol rate. It can be programmed to continuous or TDM mode in order to evaluate the quality of the upstream channel.



Packet loss ratio

When the **PROMAX-26** operates in registered mode, it can communicate in the network and can show useful data related to the IP addresses allocation and the form in which the packets flow throughout the network.

The instrument calculates the ratio of packages received (PLR) which represents a statistical measurement about the traffic effectiveness through the network, as well as the maximum and minimum times for those receptions. This will allow to evaluate the network capability to support certain transport services (e.g. voice on IP) and to determine the global performance of the overall system.



Channel Searching

This function carries out an exploration of all **EURODOCSIS / DOCSIS** channels, collecting them in a list.

For each channel it shows the power level received, the MER and the corresponding upstream channel identifier.

Datalogger mode

Most of the measurements both for the upstream and for the downstream (including IQ constellation) can be stored in the internal memory by means of the Datalogger function with up to 30 positions of capacity. All these data can be transferred to a personal computer (PC) to be processed later or to be included in the automated measurement reports.

The PROMAX-26 is capable of the following measurements:

Downstream:

- Channel power
- MER and BER
- Constellation diagram
- Full band power
- Frequency, channel and active channel plan
- Modulation type and symbol rate

Upstream:

- Power
- Attenuation at CMTS
- Frequency and bandwidth
- Modulation and symbol rate
- Communications test

Communications Test (in Registered mode):

- IP report
- Ping test
- Ratio of lost packets