



# Limes

Subscriber line monitoring system



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# Limes

## Subscriber line monitoring system



### Description of the device

The system is based on the following components:

- ≡ a measuring device **LIMES MP**
- ≡ the server **LIMES DT** data acquisition
- ≡ web application monitor Subscriber Line **LIMES**.

Connected to the line on the matrix or in any other location measurement device **LIMES MP**, shall identify the type of line (POTS, ISDN, DSL, PCM, etc.). In addition, it is identified at the same time the number assigned to the test line (POTS and ISDN).

On the server, **LIMES DT** collects all the data recorded by the measuring device. The data are sent to a central database along with additional information entered by staff. Data transmission is done using a modem device LIMES MP. The information is collected in a database, and access to them for further analysis is possible using web applications prepared Subscriber Line Monitor **LIMES**.

Access to the data is possible thanks to an Internet connection and any web browser. The functionality of the system allows to export data to other systems.

### Characteristics of the system

- ≡ Range of the measured tension: 0 310 V.'s ÷
- ≡ Kinds of recognised lines: nonconnected, damaged, entertained data transmission, SDI, POTS, ISDN, PCM.
- ≡ Identification of additional services on lines: HDSL, the ADSL.
- ≡ Identification of an POTS ex-directory numbers.
- ≡ Baud rate: 2400 bps / V. 22 encore.
- ≡ LIMES MP sampling rate: by 4 kHz to 10 Mhz.
- ≡ Time of the measurement of the line: 11 seconds
- ≡ Possibility of taking characteristics off: mode of the oscilloscope

### Parameters of the Limes MP

- ≡ Scope of operating temperatures: -10 °C / 50°C.
- ≡ Power supply: battery operated (5 NiMh AA batteries)
- ≡ IP step of the casing: IP40
- ≡ Relative humidity of surroundings: 90% noncondensing of steam

### Parameters of the Limes DT

- ≡ Scope of operating temperatures: 0 °C ÷ 40 °C.
- ≡ Supply voltage: 230 V AC, 50-60 Hz.

