Input Keypad

for XL2 Audio and Acoustic Analyzer

The Input Keypad offers four keys to trigger an event recording or categorize noise during measurements. It is an accessory to the XL2 Audio and Acoustic Analyzer.

The XL2 Audio and Acoustic Analyzer features event recording. The Input Keypad offers a basic interface to set markers and trigger the event recording. The requirements are:

- Installed optional Extended Acoustic Pack
- Firmware V2.30 or higher

Applications:

- Categorize annoying industrial noise.
- Mark events to exclude them from the measurement data during post-processing.
- Manually trigger the audio data and noise level recording, e.g. for neighborhood noise monitoring.

LED

The XL2 confirms a successful registered key press with the red confirmation LED.

Setting Markers

You may categorize the noise during measurements by pressing any key on the Input Keypad. This supports post-processing of the measurement data back in your office. For example, pressing key 1 adds the information that marker 1 was pressed into the log file. In this manner you can objectively differentiate between four independent categories of noise.

Confirmation LED

Keys 1 ... 4

Trigger Events

The XL2 Analyzer may be configured to record wav-files and additional noise level data only when triggered, instead of for the complete measurement duration. Events are triggered automatically by sound levels above/below a preset value or manually by external key press using the XL2 Input Keypad. Pressing any key initiates the following XL2 actions:

• Audio data may be recorded for a limited, user-defined time.

• The levels L_{Aeq}, L_{Zeq} and L_{CPeak} are recorded for the event duration.

• Retrigger with every repeated key press within the event duration.

Specifications

Output / Input	• 2.5 mm jack mono at end of the connection cable » Cable length = 1.8 m (5.9 ft) » Termination: dip - Signal, ring - Common ground • Confirmation LED informs the XL2 Analyzer has recognized the key press.
Power Supply	• Self-powered by I/O interface of XL2 Analyzer
Temperature	-10 °C to +50 °C (14° to 122 °F)
Humidity	< 90% RH, non-condensing
NTi Audio #	600 000 384

Find more information in the XL2 Operating Manual.

Dispose of the instrument in accordance with the legal environmental regulations in your country.