

# INPUT KEYPAD FOR XL3 ACOUSTIC ANALYZER



The Input Keypad offers four keys to trigger an event recording or categorize noise during measurements. It is an accessory to the XL3 Acoustic Analyzer. A typical application is the subjective categorizing of any annoying industrial noise by persons living in the neighborhood. The XL3 connects directly to the Input Keypad.

The XL3 Acoustic Analyzer features event recording. The Input Keypad offers a basic interface to set markers and trigger the event recording. The requirements are:

- Installed Extended Noise Measurement Option;
- Firmware V1.46 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 XL3 Acoustic Analyzer confirms a successful registered key press with the red confirmation LED.

## SETTING MARKERS

You may categorize the noise during measurements by pressing a particular 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 noise categories.



## TRIGGER EVENTS

The XL3 Acoustic 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 XL3 Input Keypad. Pressing any key initiates the following XL3 actions:

- Audio data may be recorded for a limited, user-defined time. The XL3 supports pre-recording up to 30 seconds. So, the audio can already be recorded before a key is pressed;
- Markers are set in the log files;
- Retriggert with every repeated key press within the event duration.

| Technical Specifications |                                                                                                                                                                                              |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Output / Input           | M8 connection cable: <ul style="list-style-type: none"> <li>• Cable length = 1.8 m (5.9 ft);</li> </ul> Confirmation LED informs that the XL3 Acoustic Analyzer has recognized the key press |
| Power Supply             | Self-powered by I/O interface of XL3 Acoustic Analyzer                                                                                                                                       |
| Temperature              | -10 °C to +50 °C (14° to 122 °F)                                                                                                                                                             |
| Humidity                 | < 90% RH, non-condensing                                                                                                                                                                     |
| NTi Audio #              | 600 000 745                                                                                                                                                                                  |