NEWTECH INSULATION

OCCUPATIONAL MEASUREMENT



Industrial Noise Measurement

Factories or business establishments that have noise problems must be monitored to prevent employee hearing loss according to the Ministry of Labor's regulation standard for the management and operation of safety, occupational health, and working environment related to heat, light, and sound (Royal Thai Government Gazette 17 October 2016). The announcement by the Department of Labor Protection and Welfare outlined the noise level standards that employees can be exposed to throughout the average working day (Royal Thai Government Gazette 26 January 2018). The average noise level of 8 hours of working time (TWA 8) must not exceed 85 dBA, the maximum level of percussion or impact noise must not exceed 140 dBA and constant noise exposure must not exceed 115 dBA.



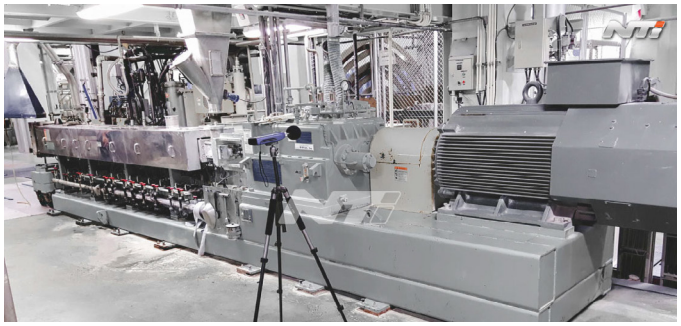
Laws and standards from the Ministry of Labor concerning noise

1. Ministerial Regulations determining standards for the management of operation safety, occupational health, and working environment related to heat, light, and sound (2016)
2. Announcement of the Department of Labor Protection and Welfare outlining acceptable noise level standards for employees throughout the average working day
3. Announcement of the Department of Labor Protection and Welfare about calculating the noise level perception in ears when wearing personal protective equipment
4. Announcement of the Department of Labor Protection and Welfare regarding standards of the measurement methods and analysis of working conditions related to heat, light, or noise, including the duration and type of business to be performed
5. Announcement of the Department of Labor Protection and Welfare regarding standards and procedures for the preparation of hearing conservation measures in the business establishment

NTi is pleased to offer "Industrial Noise Measurement" to provide information on the noise level that affects employees for use in the assessment of exposure that exceeds the legal limit. It consists of measurements of average noise level throughout the working day (TWA: Time Weighted Average), maximum impact noise level (Lpeak: Peak Sound Pressure Level), continuous steady noise level (Lmax: Continuous Steady Noise).

Customers

- Business establishments, which have noise sources that exceed the standard
- Safety officers at all levels
- Those who are responsible for taking hearing conser vation measures
- Committee of occupational safety, health, and working environment



Working

- Collect noise data in the working area
- Analyze noise data according to various parameters
- Make a report of the noise measurement result to present to the employer

Tools

- Integrated sound level meter IEC 61672 class-1 class-2
- Sound calibrator IEC 60942 class-1
- Sound level meter stand



Output

- Average noise level throughout the working hours (TWA)
- The maximum percussion or impact noise level (Lpeak)
- Continuous steady noise level (Lmax)