NEWTECH INSULATION

ENVIRONMENTAL MEASUREMENT



Environmental Measurement

Noise pollution caused by factories or business establishments that is affecting the community is considered a "noise problem". This has been a long-standing problem, whether factories or business establishments are located inside or outside an industrial estate. Measuring the noise level after a complaint must provide accurate, reliable, and fair measurements to all affected parties. Therefore, noise level measurement must comply with the requirements of environmental quality law to properly assess the severity of the problem that may affect health and cause disturbances to people. Prevention, inspection, and control of the "noise pollution problem" in Thailand must follow various laws, including environmental quality law, factory and business establishment law, and public health law. The most important contents included a definition of the annoyance noise level which "must be equal to 10 dBA", and the average noise level in 24 hours which "must not exceed 70 dBA".

A Summary of the Act of legislation of Enhancement and Conservation of the National Environment Quality 1992

- The maximum noise level must not exceed 115 dBA
- The average noise level in 24 hours must not exceed 70 dBA
- The annoyance level must not exceed 10 dBA
- Defines how to measure and calculate the noise level. This helps to identify the three values of noise level, which are base noise level, noise level without annoyance, and annoyance noise level. The result from the processing all three values is considered to the "annoyance level".



NTi is pleased to offer "Environmental Measurement" which measures and evaluates the annoyance noise level. It can be divided according to the nature of noise that occurs at the noise source in the 4 cases as follows:

1. Continuous noise at the noise source for more than 1 hour
2. Within 1 hour, noise from the noise source occurs just once
3. Within 1 hour, noise from the noise source occurs more than once
4. Noise from the noise source occurs in areas that require quietness or during the nighttime (22:00-06:00)



Customers

- Receivers who have suffered and been annoyed by noise
- Proprietors who own properties with noise sources
- Environmental officers or occupational safety and health officers

Tools

- Integrated sound level meter IEC 61672 Class-1
- Sound calibrator 60942 Class-1
- Tripods



Output

- Annoyance level report according to the form of Pollution Control Department announcement