



SCARLET | TECH

CASE STUDY

How ST-11D Helps Reduce Motorcycle Noise Pollution in Indonesia's Traffic

www.scarlet-tech.com

The growing noise pollution in Indonesia, particularly from motorcycles is a major concern. With government regulations in place to control the vehicle exhaust noise, Scarlet's ST-11D is used by traffic police nationwide to ensure vehicle exhaust noise remains within safe limits.

BACKGROUND

Noise pollution from motorcycles has become a significant environmental and public health concern in Indonesia. The trend of modifying motorbikes, including changes to exhaust systems, can contribute to rising noise disturbances.

According to Indonesian Minister of Environment and Forestry Regulation No. 56 of 2019, motorcycles with engine capacities less than 80 cc must not exceed 77 dB, while those between 80 cc and 175 cc must not exceed 80 dB. To ensure compliance with these regulations, the ST-11D sound level meter is relied upon to accurately measure and monitor noise levels.



▼ ST-11D is utilized to measure exhaust noise on motorcycles in Indonesia.



SOLUTION

ST-11D is utilized by the Indonesian Traffic Police Department nationwide. This device was selected for its precision and user friendly design, which are crucial for letting everyone quickly use accurate noise measurement.

1. High Precision: ST-11D is a Class 1 sound level meter, it measures & displays Leq values with adjustable A/C/Z frequency weightings.
2. Quick Assessment: The device provides accurate noise level readings, which complete with a bluetooth printer for instant noise readings, making it ideal for on-the-spot noise assessment.
3. Ease to Operate: With its user-friendly interface design, Scarlet ST-11D makes operational efficiency and makes training for new users simpler.



▲ The quick training to learn how to use sound level meter properly.

Scarlet ST-11D Class 1 Sound Level Meter has proven to be a pivotal solution for the Indonesian Traffic Police Department in enhancing compliance with noise standards and reducing motorcycle noise pollution.



ST-11D

Class 1 Sound Level Meter

DISCOVER NOW

Scarlet Tech specializes in delivering tailor-made, state-of-the-art HSE instruments for accurate measurement and real-time monitoring in demanding environments. Comprehensive range of professional HSE instruments: wireless anemometer, wireless crane camera system, heat stress meter, class 1 & 2 sound level meter.