

Investigation on Reflection of Signal Intensity for Laser Doppler Perfusion Instrumentation System Assisted Using Lab View

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Abstract

This study investigate on the reflection of signal intensity radiated from laser doppler perfusion via identified distances for signal optimisation before it is apply on human skin tissue for skin disease measurem ent for diagnose treatment. A calibration sample is applied in the investigation as distance calibrator. Results show that, higher distance measured results to losses of signal measurement. Thus, reflected signal intensity performance becomes less optimise and inappropriate for higher distance measurement. However, measurement at 10 cm of distance and lower, cause radiated light of reflected signal intensity results to significant measures with optimum due to above reference voltage.

Keywords: LDP, MBF, channels, RSI

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