

LIMTEK LMS LASER MEASUREMENT SYSTEM



LIMTEK LMS FEATURES

- ➔ Reliable user-friendly homodyne laser system for machine tools and coordinate measuring machines calibrations
- ➔ Further applications include OEM multi-axis measurement systems with mini-optical units
- ➔ High quality reliable stabilized traceable laser with unique specifications and long lifetime
- ➔ Wireless Interface Unit communicates with wireless Air and Material Sensors and wireless Remote Control
- ➔ Number of both Air sensors and Material temperature sensors can be at least 10 pcs
- ➔ Interface Unit allows Ethernet, USB and WiFi communication options
- ➔ Interface Unit is equipped with a small LCD display for presentation of the measured data and system messages
- ➔ Proven CCD Sensor for simpler geometry calibrations
- ➔ HW and SW adaptations according to the customer needs
- ➔ Warranty 36 months including the wavelength accuracy

The LMS laser measurement system from Limtek is designed to provide many years of reliable service in workshop environment. High quality and reliability are the result of experience and tradition lasting more 40 years.

BASIC MEASUREMENT CONFIGURATIONS:

LS 100 MEASUREMENT OF POSITIONING ACCURACY IN 1 AXIS

This is the basic configuration. It is designed for positional calibrations of machine tools, coordinate measuring machines, universal length meters and for general measurements of displacement.

LS 110 OEM MULTIAXIS MEASUREMENT SYSTEMS

LS 110 are various OEM products intended for permanent applications in high precision machines. They may be equipped with miniature optics for one or multi-axis measurements.

LS 120 MEASUREMENT OF GEOMETRY WITH INTERFEROMETER

Unit LS 120 contains optics **LS 128A** for angular calibrations and optomechanical Accessory **LS 128F** for way straightness and flatness measurements

LS 130 MEASUREMENT OF GEOMETRY WITH CCD SENSOR

This unit uses high quality semiconductor laser with a circular beam as a source of the reference straightness. The CCD Sensor measures the straightness error in both perpendicular **Y** and **Z** axis. Statistical methods are used to minimize influence of the air turbulence

LS 140 TEMPERATURE AND AIR SENSOR

Independent wireless, multisensor meteorological system for air temperature, pressure and humidity. Material temperature sensors are possible as well. Number of sensor can be at least 10 of each type 10

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