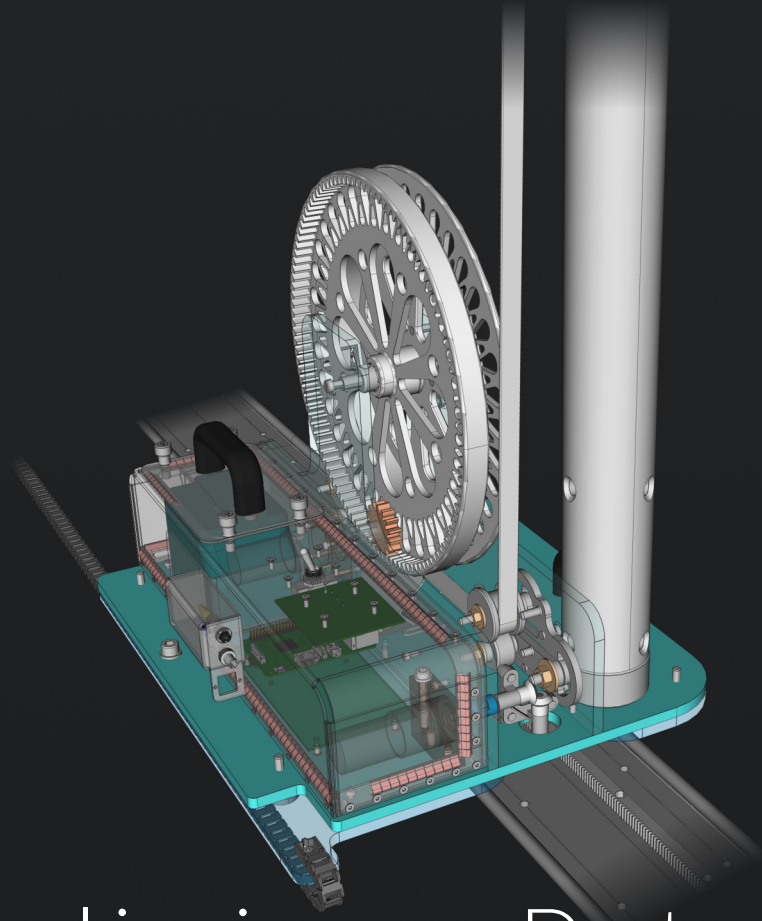




LASER-POWERED SENSOR SYSTEMS



Preliminary Datasheet

—— LSMove 1.0 ——

**Field Probe  
Positioning System**

The LSMove Positioning System is a companion product to the LSProbe 1.2 Laser-Powered Field Probe, enabling automated measurements of field distributions in 3D testing volumes. LSMove's unique design minimizes the field distortion introduced by the positioning system, enabling high-accuracy measurements.

LSMove accelerates:

- IEC 61000-4-3 anechoic chamber calibration,
- Antenna pattern characterization,
- IEC 61000-4-20 TEM-waveguide calibration, and
- IEC 61000-4-21 reverberation chamber calibration.

LSMove is designed for high positioning accuracy and repeatability, requiring no zeroing upon start-up. Its nonconductive probe mount, probe suspension and side stands integrate seamlessly with LUMILOOP's LSProbe Field Probe. Fiber-optic cables for the Field Probe are embedded in the straps for hassle-free positioning.

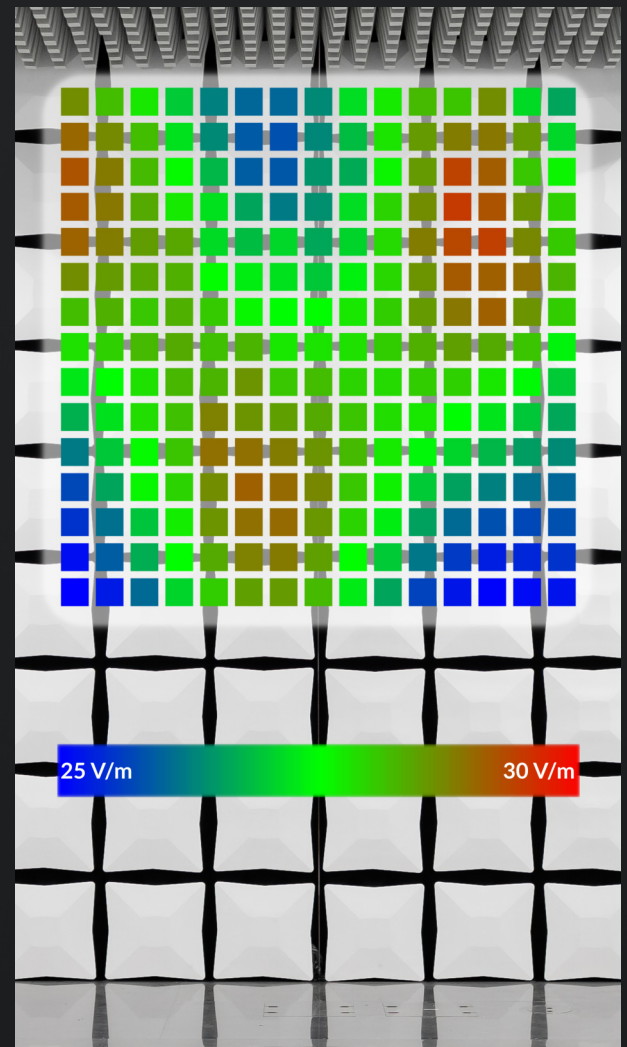
LSMove is connected via USB and includes software for manual positioning and automated operation via TCP/IP using standard SCPI commands.

Additional features include:

- Long-time operation
- Quick swap, fast-charging battery pack
- Fiber-optical control ports
- Wireless remote control
- Quick and simple position calibration
- Built-in hazard zone avoidance

## Preliminary Specifications

Testing Volume	
Maximum side stand height	2.5 m
Max. side stand separation	10 m
Maximum z-axis rail length	20 m
Positioning	
Absolute accuracy	5 mm
Repeat accuracy	1 mm
Maximum speed	50 mm/s
Drive and Control Units	
PC Interface	USB 2.0
Dimensions, without stand (W x D x H)	(350 x 400 x 380) mm
Weight	15 kg
Operating Temperature	
	0 °C to 40 °C



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