

Position Sensitive Detector

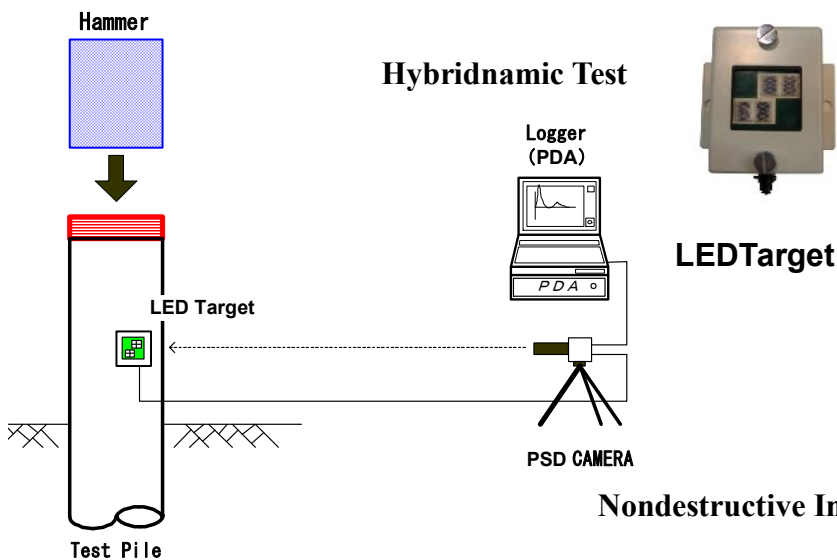


A super high response and super high resolution LED optical displacement-meter has been developed and actualized first time in the world.

It makes the precise measuring of targets' 2D dynamic displacement from a location far away from the targets possible.

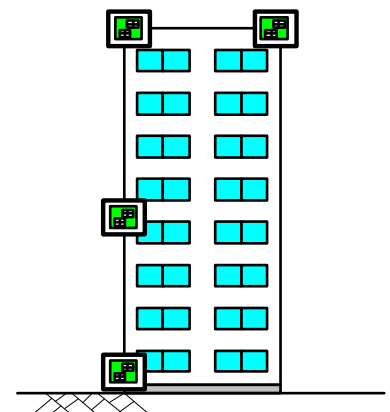
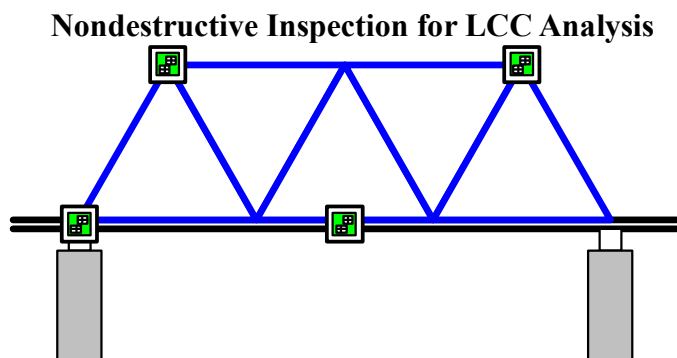
The features of this LED optical displacement-meter are as follows:

- * Max. available measuring distance is 300m (Nominal distance is 100m)
- * Wide vision range of $1000 \times 1000\text{mm}$ (100m away)
- * High precision of 0.25mm (100m away)
- * 2D (X,Y) measurement
- * Multi-Target measurement up to 8 points (Nominal points is 4)
- * Super high response with sampling rate of 10kHz
- * Versatile for Structure monitoring, Nondestructive Inspection for LCC Analysis and/or Dynamic Response Analysis. S etc.



PSD Unit

Nondestructive Inspection for Seismic Response Analysis

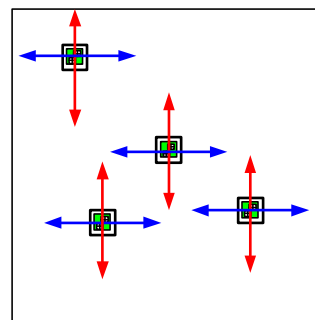
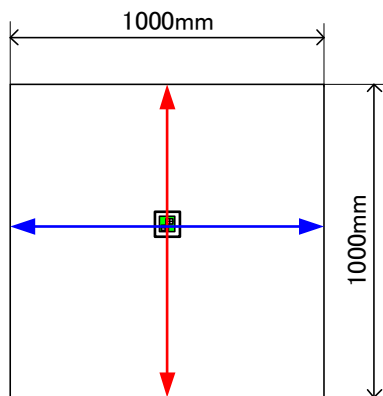
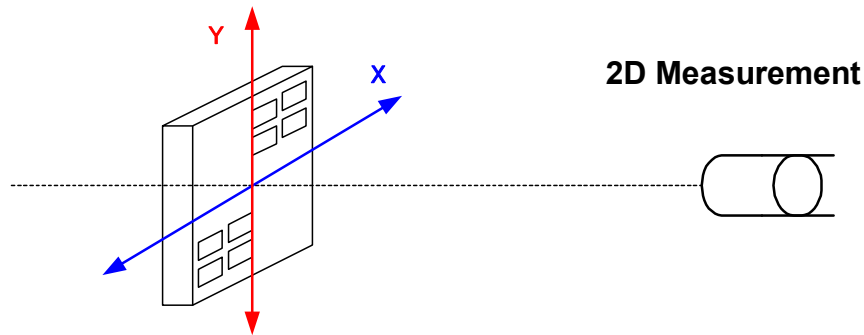
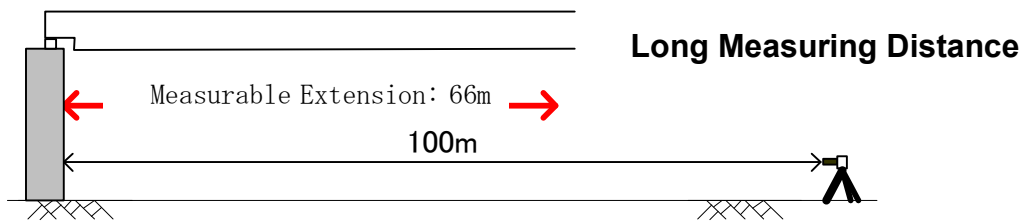
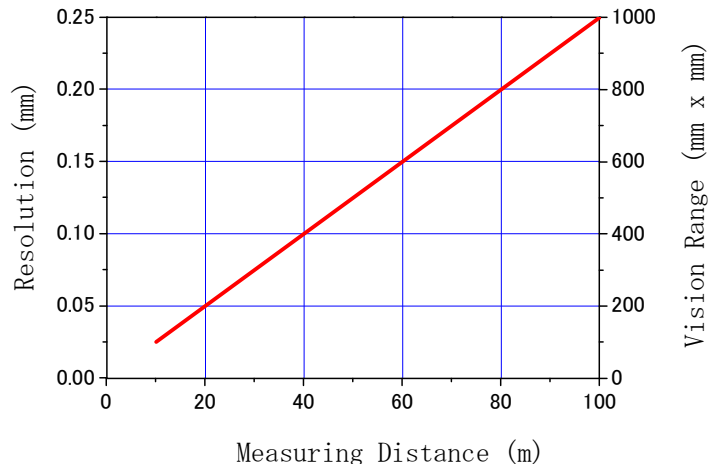


Specifications:

Items	Specification
Measuring Distance*	Max 300 m (Nominal 100m)
Measurable Extension	2/3 of Measuring Distance
Measurable Vision Range	1000 × 1000mm (100m away)
Measurable Direction	2D (X,Y)
Resolution	0.25 mm (100m away)
Sampling Rate	0.1 ms (10kHz)
Available Target*	Max 8 Targets (Nominal 4 Targets)

* Extension Lens Required

* Standard Unit is available only for 4 Targets



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