LSP$_{HD}$ System

LSP$_{HD}$ Linescanner Head

Installation Guide

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Summary Specification

The following table provides information which is required to install the Linescanning Thermometer.

For full specification details, refer to the Linescanning Thermometer User Guide.

LSP$_{HD}$ Linescanning Thermometers	
Temperature Range	20 to 1500°C / 68 to 2732°F
Scan Angle	80°
Field of View	100:1, 300:1 and 500:1
Ambient Temperature Range	5 to 60°C / 41 to 140°F
Alignment	Class 2 laser product : Integrated laser indicating scan plane and extents
Internal Temperature Sensor	-10 to 90°C / 14 to 194°F
Sealing	IP65
EMC	EN 61326 Class A
LVD	EN 61010-1
Vibration	2g 10 to 30 Hz / 3g 30 to 300Hz any axis

IMPORTANT: Please note radiation safety warning, where this symbol appears

About This Guide

This guide gives the basic information necessary to install a Land LSP$_{HD}$ Linescanning Thermometer. In order to operate the linescanner it must be connected to a Power Supply Unit, which provides the necessary power. More detailed information is contained within the LSP Linescanning Thermometer LSP$_{HD}$ User Guide.

It is important to check the equipment with which you have been supplied to ensure that all ordered items, including accessories have been delivered.

Notes

If the linescanner is to be used in an area of ambient temperature higher than that specified, then the linescanner must be cooled, utilising a cooling system available from Land Instruments International.

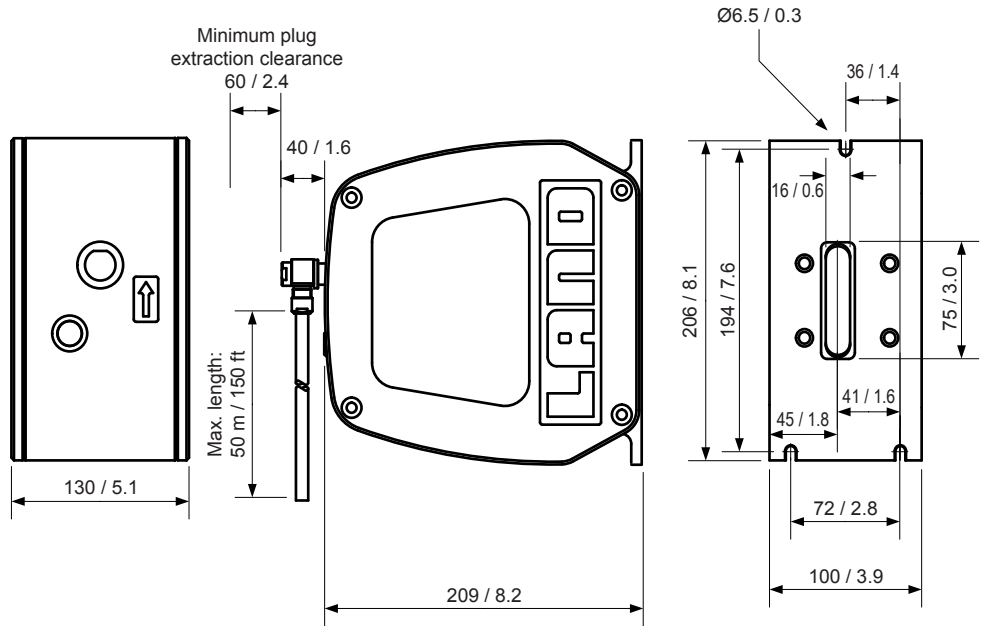
If the linescanner is to be used in an area where the atmosphere contains a high proportion of dust/smoke/steam etc, then the linescanner must be used in conjunction with an air purge incorporated into the linescanner baseplate, to keep the scanning window clean. An air purge system is available from Land Instruments International.

Installation Accessories

A range of installation accessories is available from Land Instruments International to aid installation of the Land LSP$_{HD}$ Linescanning Thermometer and to ensure that the equipment is compatible with the intended application environment.

For detailed information on installation accessories, refer to the LSP System Mountings and Accessories Installation Guide, which is supplied with each accessory.

Installation Dimensions



241002

Default Network Settings

IP Address: 10.1.10.100

Subnet: 255.255.0.0

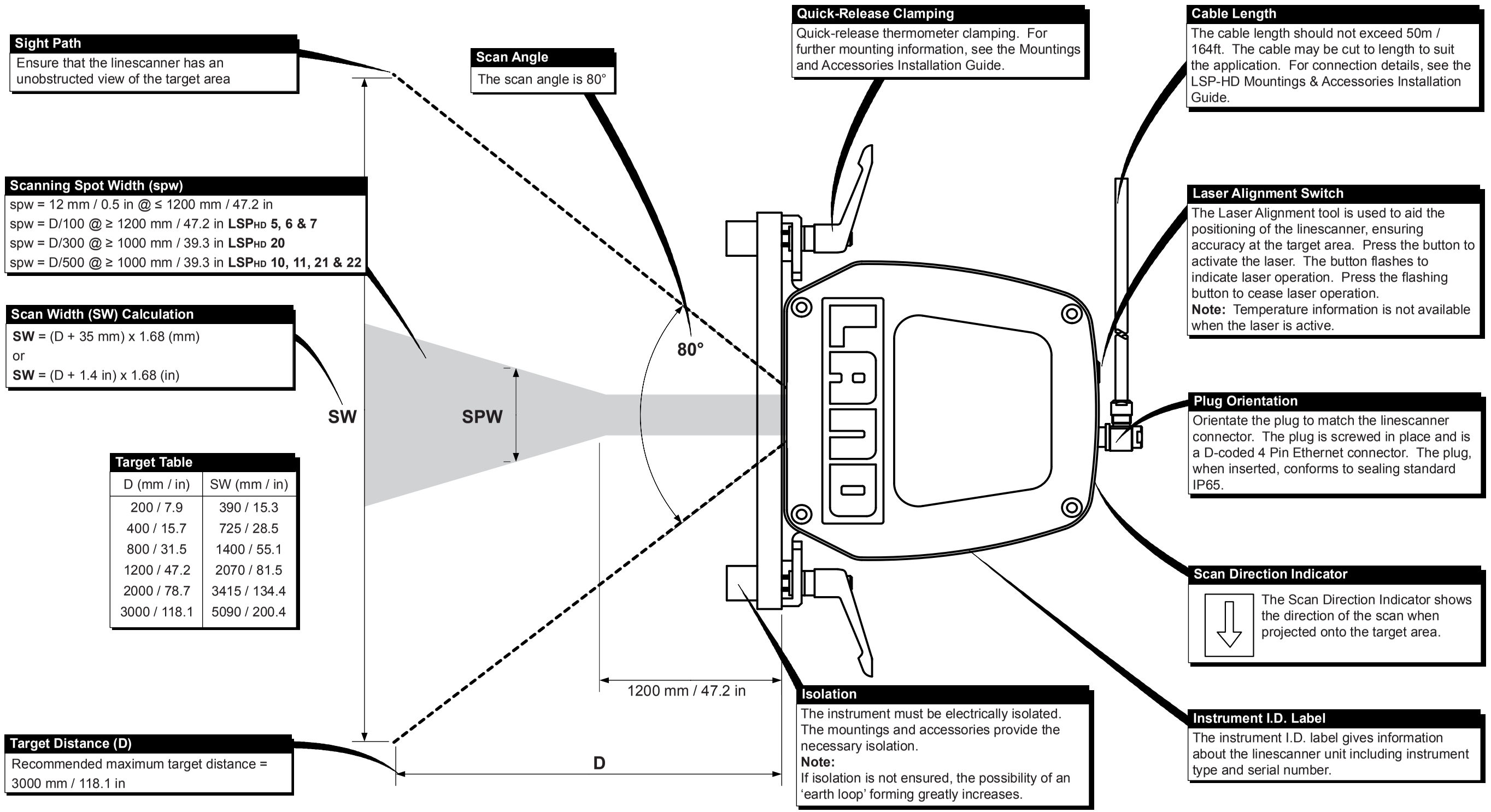
Each scanner is supplied with the IP address set to the default of 10.1.10.100. There is a switch on the digital PCB that allows the last digit of the IP address to be changed.

If the switch is set in position 0, the last digit will be configured by software (this is the default.)

If the switch is in any other position (7 for example), then the address will become 10.1.10.107, with all the other digits set in the software. Software is configured via the Landscan browse utility (Refer to the help file/user documentation supplied with the software).

A maximum of 4 clients may be connected to the scanner at one time.

To reset the IP address back to 10.1.10.10x, press the laser button until the light goes out, then immediately release the button.



Not to scale

IMPORTANT: Please note radiation safety warning, where this symbol appears