


# LSP-HD

MOUNTINGS  
AND ACCESSORIES



 FOR ALL STANDARD MODELS



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The following information is intended as a guide to the range of optional mountings and accessories available to ensure you get the best possible service from the investment you have made when specifying LSP-HD infrared linescanning systems to monitor and control your manufacturing process. For specific recommendations on the choice of protective housings, mounting assemblies, water cooling, air purging, cabling requirements to suit your specific industry or installation, please contact an AMETEK Land sales manager or representative for further advice before ordering.

## MOUNTINGS

### BASIC MOUNTING PLATE

The basic mounting plate is used in applications where an LSP-HD linescanner head is to be installed in light industrial environments where the ambient temperatures is within the recommended operating range of the instrument and the atmosphere is relatively free from dust and airborne particles\*.

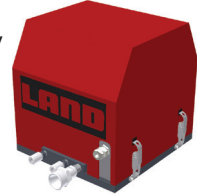
PART NUMBER: 031.520



### LIGHT INDUSTRIAL HOUSING

The light industrial housing is used in applications where an LSP-HD scanner needs to be enclosed for additional protection due to airborne particulates. It can be installed into environments where the ambient temperatures are up to 150 °C / 302 °F. The air purge facility should be utilised where the operating environment is dusty and airborne particles could contaminate the scanner viewing window\*.

PART NUMBER: 802664



### ENHANCED WATER COOLED MOUNTING SYSTEM

The water cooled, air purged mounting system is used in applications where an LSP-HD scanner is to be installed into environments where the ambient temperatures are in the range of 60 to 120 °C/140 to 248 °F. It is ideally suited to general industrial applications. The air purge facility should be utilised where the operating environment is dusty and airborne particles could contaminate the scanner viewing window\*.

PART NUMBER: 800095



### FLOATLINE MOUNTING WITH SCANNER PROTECTION SYSTEM

The floatline mounting with scanner protection system provides protection for the LSP-HD scanner against the high ambient temperatures and heavy contamination associated with the float glass environment. The design incorporates a shutter system to isolate and protect the scanner from hot Lehr gasses in the event of a failure of the cooling or purge system. This is recommended for installations on Lehr Zones A - C.

PART NUMBER: 092.732



### WATER COOLED MOUNTING PLATE

The water cooled, air purged mounting plate is used in applications where an LSP-HD scanner is to be installed into environments where the ambient temperatures are in the range of 60 to 100 °C / 140 to 212 °F. It is ideally suited to general industrial applications. The air purge facility should be utilised where the operating environment is dusty and airborne particles could contaminate the scanner viewing window\*.

PART NUMBER: 031.496



### HEAVY INDUSTRIAL HOUSING

The heavy industrial housing is used in applications where an LSP-HD scanner needs to be enclosed for additional protection due to airborne particulates or for outdoor operation. It can be installed into environments where the ambient temperatures are up to 150°C / 302°F. The air purge facility should be utilised where the operating environment is dusty and airborne particles could contaminate the scanner viewing window\*.

PART NUMBER: 802665



### RIGHT ANGLE MOUNTING BRACKET

The right angle mounting plate is a simple design intended for basic LSP-HD linescanner head mounting.

It is pre-drilled to accept either the basic mounting plate or the water cooled, air purged base plate. All fixings are supplied with the plate.

PART NUMBER: 031.438



### FLOATLINE MOUNTING WITHOUT SCANNER PROTECTION SYSTEM

The floatline mounting without scanner protection system provides protection for the LSP-HD scanner against the high ambient temperatures and heavy contamination associated with the float glass environment. The interface to the Lehr cone includes a 2-axis adjustment to ensure that the scanner has a clear line of sight to the ribbon during commissioning.

PART NUMBER: 802.663



\*A quick release mounting arrangement is included for the scanner, making realignment a simple and easy operation.

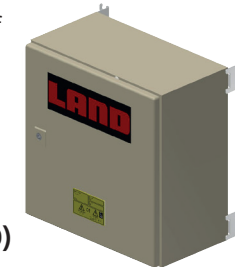
## POWER SUPPLIES

### INDUSTRIAL POWER SUPPLY FOR WALL MOUNTING

A terminal box which allows connection of the incoming LSP-HD connection cable via an M12 industrial ethernet port, incoming mains power and the downstream data connection via either CAT 5 / 6 cable or multi-mode fibre optic.

Note: Indoor use only.

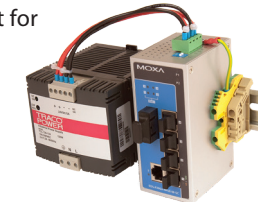
PART NUMBER: 805037  
PART NUMBER: 812674 (UL APPROVED)



### INDUSTRIAL POWER SUPPLY FOR CABINET INSTALLATION

A din rail mounted power supply unit for fitting inside cabinets.

PART NUMBER: 807105



### DESKTOP POWER SUPPLY

An unsealed power supply for use in clean environments to provide power for the LSP-HD.

PART NUMBER: 805024

## BLOWER ASSEMBLIES

### ASSEMBLY WITH AIR FILTER

The plate mounted blower unit provides air to the LSP-HD. Each specific application may require a controlled air supply. Optical air purging may be required in order to maintain a clear sighting window. Each blower can support up to 2 scanners. A weatherproof blower cover\* and air pre-filter are available.

OPTIONS:

230 V 50 HZ SINGLE PHASE  
PART NUMBER: 099.471

110 V 60 HZ SINGLE PHASE  
PART NUMBER: 099.473

220 V 60 HZ SINGLE PHASE  
PART NUMBER: 099.472



\*Only required for outdoor use.

## FLOATLINE SERVICE PANEL

### FLOATLINE SERVICE PANEL

The LSP-HD linescanner float line system service panel provides mains power to all components of the LSP-HD system, isolation facilities for servicing access and real-time system status information. The display panel can be supplied with a choice of languages to suit the local application.

It provides a real-time indication of system status, including:

Power On (24V)	Status Indication
Over Temperature	Warning Indication
Low Purge Pressure	Warning Indication
High Purge Pressure	Status Indication
Shutter Not Open	Status Indication
Manual Close	Status Indication
Push For Manual Close	Manual Operation

Any chosen installation site for the service panel must have low vibration, low contamination and must be within ambient temperature specification at all times (max. 50°C/90°F).

The maximum cable run between the service panel installation site and the float line mountings should not exceed 15m, taking into account the safe routing of the cable.

PART NUMBER: 805140



## CABLES

Connection cables between the LSP-HD scanner and the LSP-HD Power Supply unit; pre-terminated with M12 industrial ethernet connectors this single cable provides both data and Power-over-Ethernet connections.

OPTIONS:

15 m / 49 ft LOW TEMP PART NUMBER: 805038

30 m / 98 ft LOW TEMP PART NUMBER: 807087

50 m / 164 ft LOW TEMP PART NUMBER: 805039

15 m / 49 ft HIGH TEMP PART NUMBER: 804977

15 m / 49 ft SYSTEM CABLE FOR FLOATLINE MOUNTING WITH SCANNER PROTECTION PART NUMBER: 031.795

# LSP-HD

## MOUNTINGS AND ACCESSORIES

PART NAME	PART NUMBER
<b>MOUNTINGS</b>	
Basic Mounting Plate	031.520
Water Cooled Mounting Plate	031.496
Right Angle Mounting Bracket	031.438
Enhanced Water Cooled Mounting System	800095
Light Industrial Housing	802664
Heavy Industrial Housing	802665
Floatline Mounting with Scanner Protection System	092.732
Floatline Mounting without Scanner Protection System	802663
<b>POWER SUPPLIES AND SERVICE PANELS</b>	
Industrial Power Supply for Wall Mounting	805037
Industrial Power Supply for Wall Mounting (UL Approved)	812674
Industrial Power Supply for Cabinet Installation	807105
Desktop Power Supply	805024
Floatline Service Panel	805140
<b>CABLES</b>	
15m / 49 ft Low Temperature Cable	805038
30m / 98 ft Low Temperature Cable	807087
50 m / 164 ft Low Temperature Cable	805039
15m / 49 ft High Temperature Cable	804977
15m / 49 ft System Cable for Floatline Mounting w/ Scanner Protection System	031.795
<b>BLOWERS AND ACCESSORIES</b>	
Blower Assembly with Air Filter 230V 50HZ Single Phase	099.471
Blower Assembly with Air Filter 110V 60HZ Single Phase	099.473
Blower Assembly with Air Filter 220V 60HZ Single Phase	099.472
Weatherproof Blower Cover	704.374
Air Pre-filter	317.560

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[land.enquiry@ametek.com](mailto:land.enquiry@ametek.com)

**OneTemp**  
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[www.onetemp.com.au](http://www.onetemp.com.au)  
1300 768 887

**Land Instruments International**  
Stubley Lane, Dronfield  
S18 1DJ  
United Kingdom  
Tel: +44 (0) 1246 417691

**AMETEK Land China Service**  
Part A1 & A4, 2nd Floor Bldg. 1  
No. 526 Fute 3rd Road East,  
Pilot Free Trade Zone 200131  
Shanghai, China  
Tel: +86 21 5868 5111 ext 122

**AMETEK Land - Americas**  
150 Freepoint Road,  
Pittsburgh, Pennsylvania, 15238  
United States of America  
Tel: +1 (412) 826 4444

**AMETEK Land India Service**  
Divyasree N R Enclave, Block A,  
4th Floor, Site No 1, EPIP Industrial Area  
Whitefield, Bangalore- 560066  
Karnataka, India  
Tel: +91 - 80 67823240



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APPLIES IN INDIA



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