

Mountings and Accessories

WATER COOLED, AIR PURGED PROTECTIVE JACKET (Part N° 800861)

Nomenclature: **SN-JW**

Recommended for use where ambient temperatures are in the range 60 °C / 140 °F to 150 °C / 300 °F or where radiant heat levels are excessively high at the thermometer location.

This accessory requires a clean, conditioned water supply and also a clean, dry and conditioned air supply to ensure that it remains fully effective.

For accessory dimensions, see overleaf (drawing number - 310001)

AIR COOLED, AIR PURGED PROTECTIVE JACKET (Part N° 800862)

Nomenclature: **SN-JA**

Recommended for use where ambient temperatures are in the range 60 °C / 140 °F to 120 °C / 248 °F or where radiant heat levels are high at the thermometer location.

This accessory requires a clean, dry and conditioned air supply to ensure that it remains fully effective.

For accessory dimensions, see overleaf (drawing number - 310002)

i NOTE

SOLOnet thermometer cables (3 m, 15 m or 25 m) may require additional protection if ambient temperatures are likely to reach or exceed the 80 °C / 176 °F cable rating.

AIR PURGED STAND ALONE MOUNTING PLATE (Part N° 800863)

Nomenclature: **SN-P**

Recommended for use in ambient temperatures up to 70 °C / 158 °F

This accessory requires a clean, dry and conditioned air supply to ensure that it remains fully effective.

For accessory dimensions, see overleaf (drawing number - 310003)

i NOTE

If this accessory is to be mounted to the single or dual axis mounting bracket, the following instruction should be carried out:

Remove the 'tee-bar' from the single or dual axis mounting bracket. Secure the bracket to the base of the SN-P, using the 'tee-bar' retaining bolts.

SINGLE AXIS MOUNTING BRACKET (Part N° 800707)

Nomenclature: **SN-MSA**

Recommended for applications where the target area is relatively large.

For accessory dimensions, see overleaf (drawing number - 310004)

DUAL AXIS MOUNTING BRACKET (Part N° 800708)

Nomenclature: **SN-MDA**

Recommended for applications requiring greater adjustment and versatility e.g. where the target size is comparable to the instrument field of view.

For accessory dimensions, see overleaf (drawing number - 310005)

3 m CABLE ASSEMBLY (Part N° 800858)

Nomenclature: **SN-C3**

3 m long, pre-wired cable assembly (thermometer to SN-W/E interface unit)

15 m CABLE ASSEMBLY (Part N° 800859)

Nomenclature: **SN-C15**

15 m long, pre-wired cable assembly (thermometer to SN-W/E interface unit)

25 m CABLE ASSEMBLY (Part N° 800860)

Nomenclature: **SN-C25**

25 m long, pre-wired cable assembly (thermometer to SN-W/E interface unit)

UNIVERSAL DIN-RAIL PSU (Part N° 404.156)

DIN-rail mountable power supply unit (93 to 264 V a.c., 50 to 60 Hz)

CONNECTOR (Part N° 801111)

Loose connector for OEM wiring connection to SOLOnet thermometers

Replacement Parts

SAPPHIRE WINDOW KIT (Part N° 800898)

Replacement sapphire window kit for SOLOnet thermometers (all variants)

General Information

This guide gives the basic information required to install Land SOLOnet Mountings and Accessories. For more detailed information, see the SOLOnet User Guide (PP307).

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

i NOTE

If the thermometer is to be used in an area of ambient temperature higher than that specified, then the thermometer must be housed in a protective cooling jacket. If the thermometer is to be used in an area where the atmosphere contains a high proportion of dust/smoke/steam etc, then the thermometer must be used in conjunction with an air purge system, to keep the thermometer lens clean.

Services

When any cooling or purging accessories are utilised, it is important that the air and water supply to these facilities are fully conditioned and supplied at the recommended flow rates. The following information details the specified flow rates and essential information to ensure optimum effectiveness of the cooling and purging systems:

Water [Clean, free from any contaminants]

Water cooled, air purged jacket: 10 mm / 3/8 in. I.D. reinforced PVC hose
30 l/hour minimum flow rate
6 bar maximum inlet pressure
35 °C maximum inlet temperature

Air [Clean and dry, free from any contaminants]

Air purge mounting plate: 10 mm / 3/8 in. I.D. reinforced PVC hose
15 l/min minimum flow rate
Air cooled jacket: 10 mm / 3/8 in. I.D. reinforced PVC hose
150 l/min minimum flow rate
Water cooled, air purged jacket: 3 mm / 1/8 in. I.D. reinforced PVC hose
15 l/min minimum flow rate

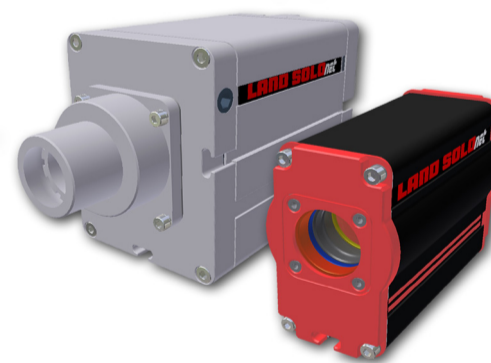
! CAUTION

"Over-cooling" of the thermometer may cause a build-up of condensation on or inside the instrument. To prevent this, ensure that the water supply temperature is not lower than the local dewpoint temperature.

SOLOnet

Digital Infrared Thermometer

SOLOnet Mountings and Accessories Installation Guide



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LAND
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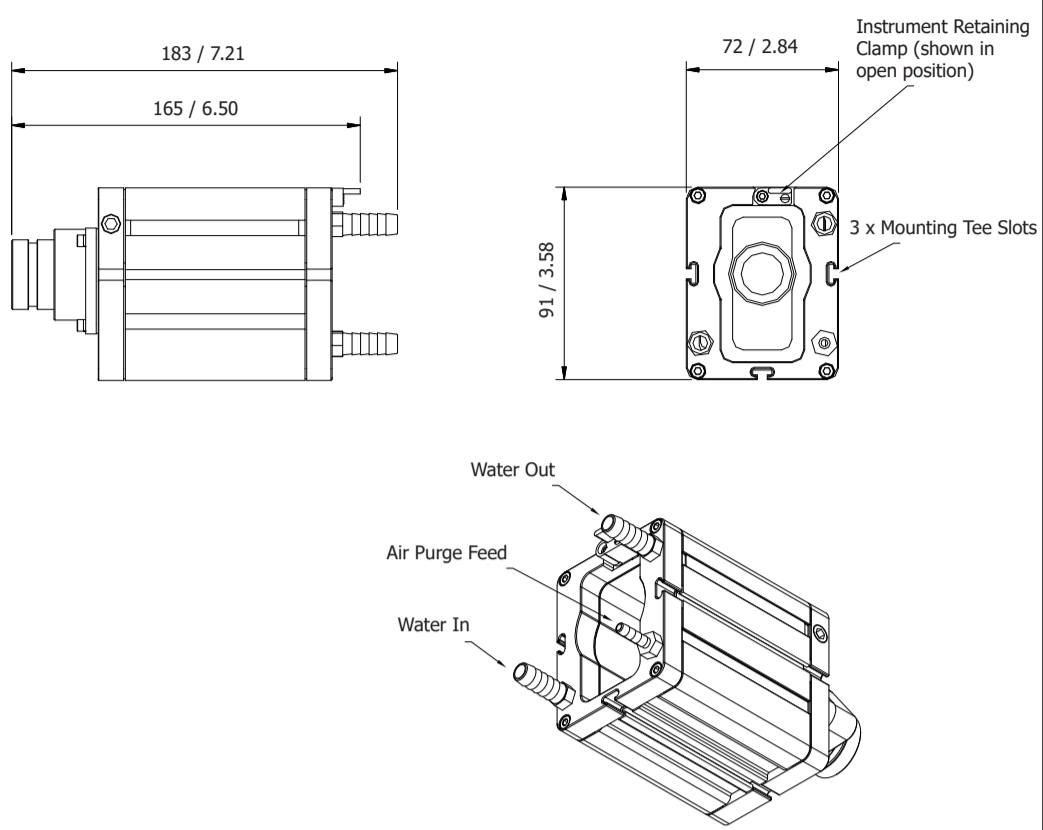


Applies in the UK

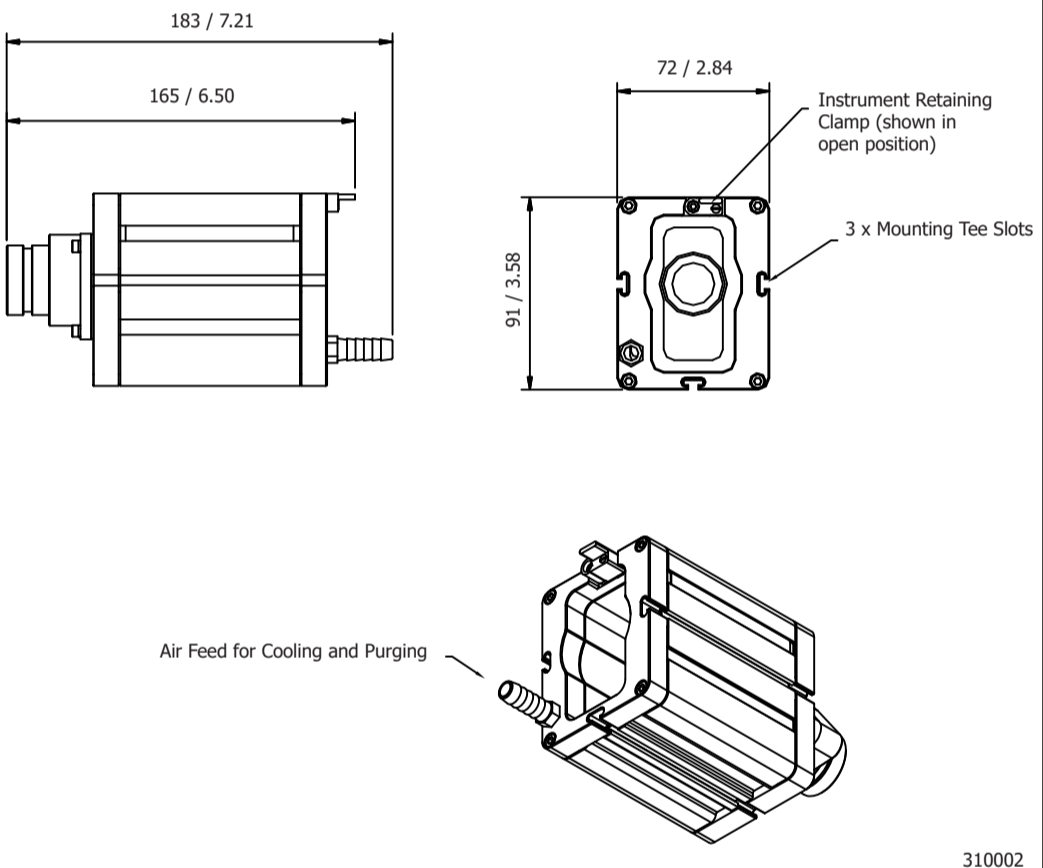


Applies in the USA

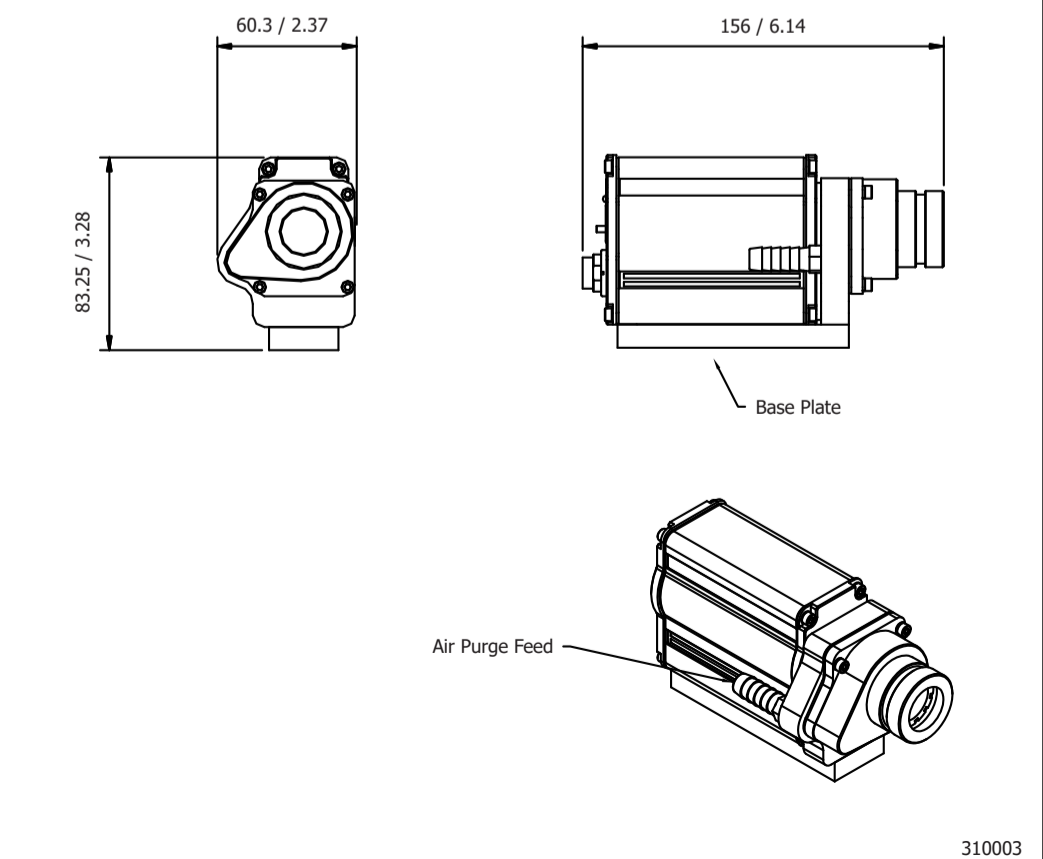
Water Cooled, Air Purged Protective Jacket (Part N° 800861)



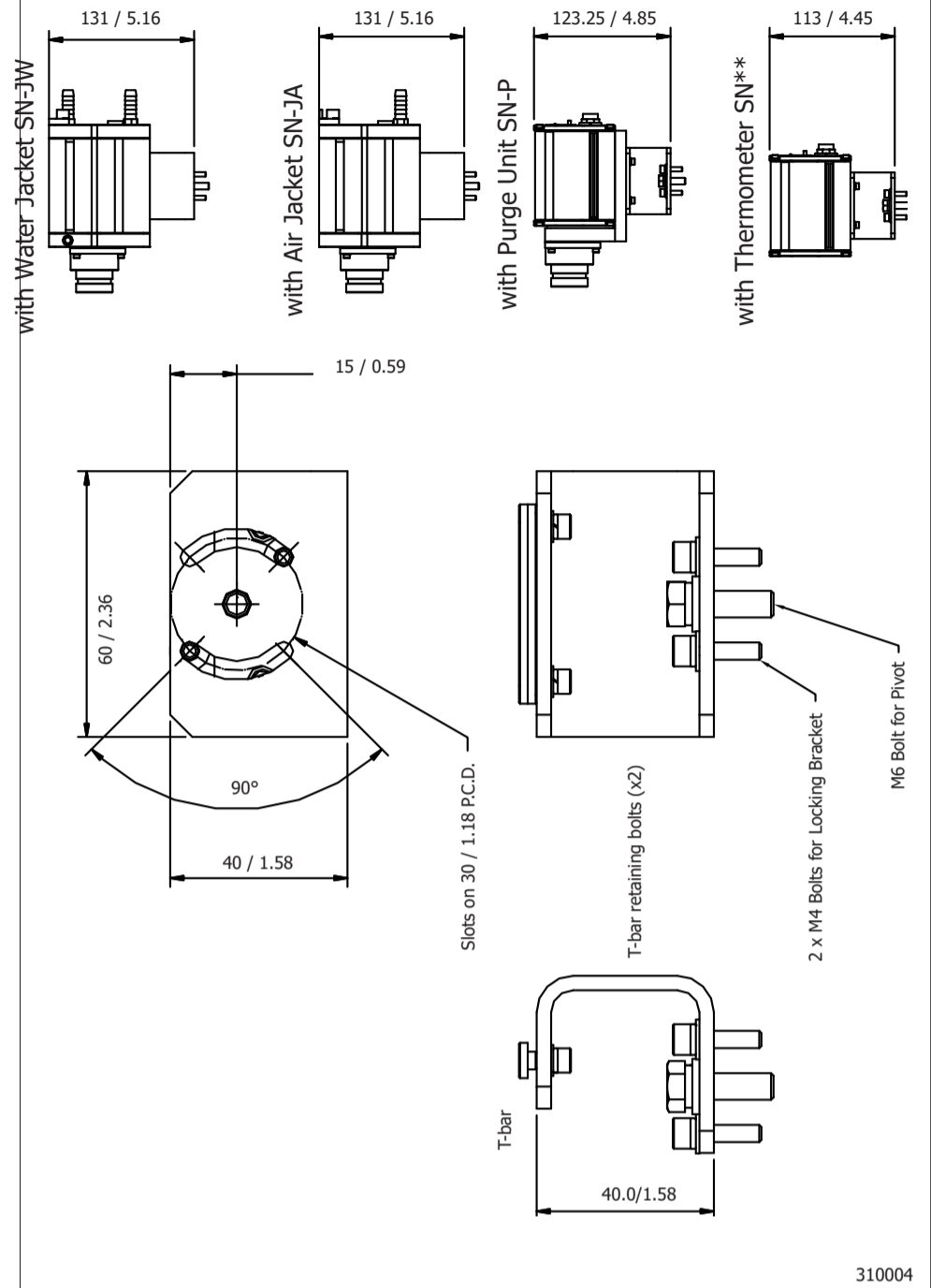
Air Cooled, Air Purged Protective Jacket (Part N° 800862)



Air Purged Stand Alone Mounting Plate (Part N° 800863)



Single Axis Mounting Bracket (Part N° 800707)



Dual Axis Mounting Bracket (Part N° 800708)

