

SYSTEM 4

Fiberoptic Thermometer Mountings and Accessories

Installation Guide

Land Instruments International
 Dronfield, S18 1DJ
 England
 Telephone: +44 (0) 1246 417691
 Facsimile: +44 (0) 1246 410585
 Email: land.enquiry@ametek.com
 Internet: www.landinst.com

AMETEK Land, Inc.
 150 Freeport Road
 Pittsburgh PA 15238 U.S.A.
 Telephone: (412) 826-4444
 Facsimile: (412) 826-4460
 Email: irsales@ametek.com
 Internet: www.ametek-land.com

About this guide

This guide gives installation information for the mounting accessories of the Land System 4 Fiberoptic thermometer.

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

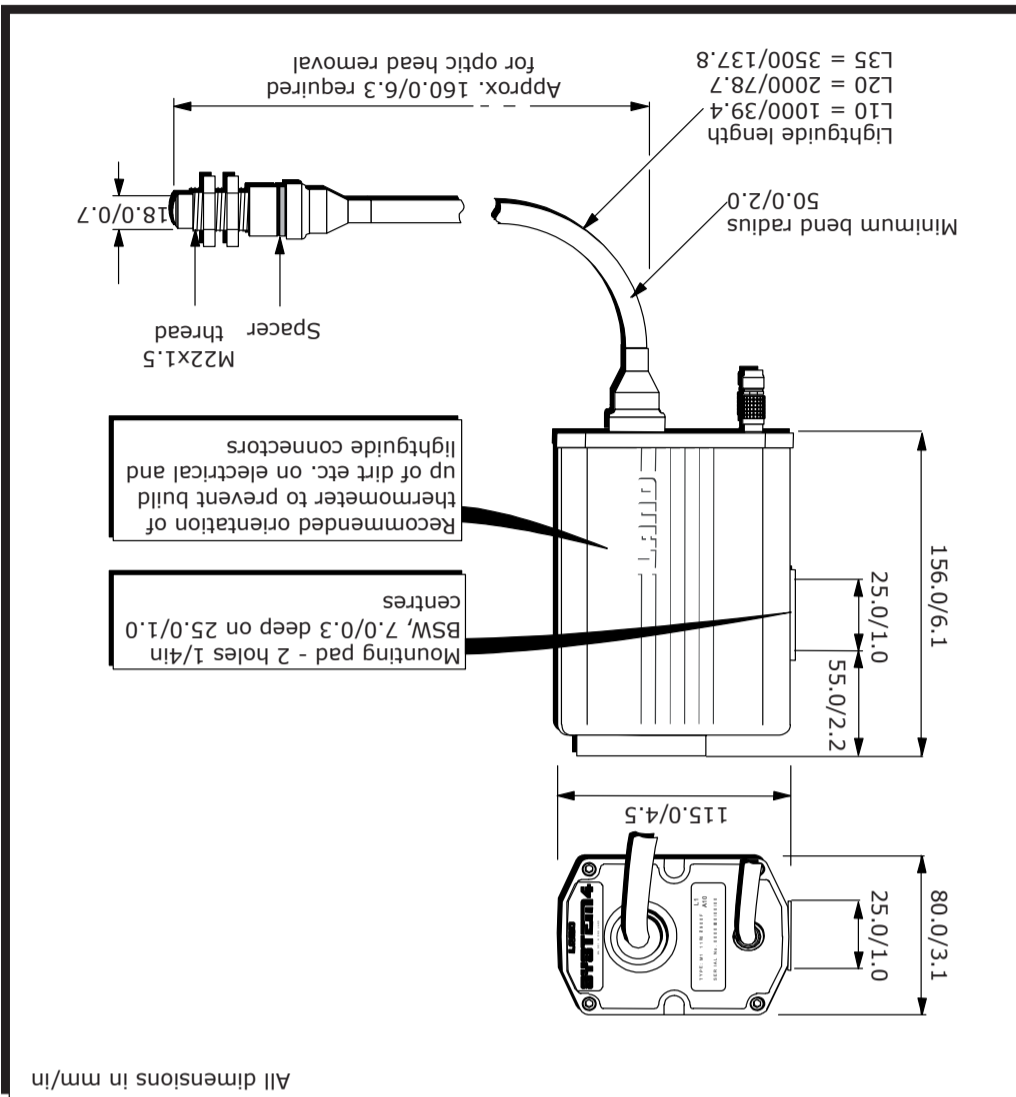
Notes

If the optic head is to be used in an area where the atmosphere contains a high proportion of dust/smoke/steam etc, then the optic head must be used in conjunction with the air purge to keep the lens clean.

About System 4

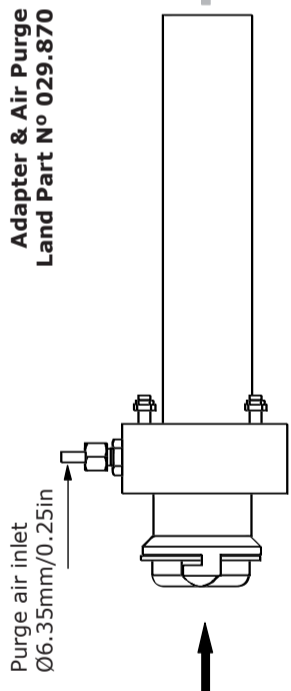
LAND System 4 is a range of high accuracy thermometers, state of the art processors and rugged mounting accessories designed to provide precise, non contact temperature measurement in a wide range of industrial applications.

Fiberoptic Thermometer Installation Dimensions

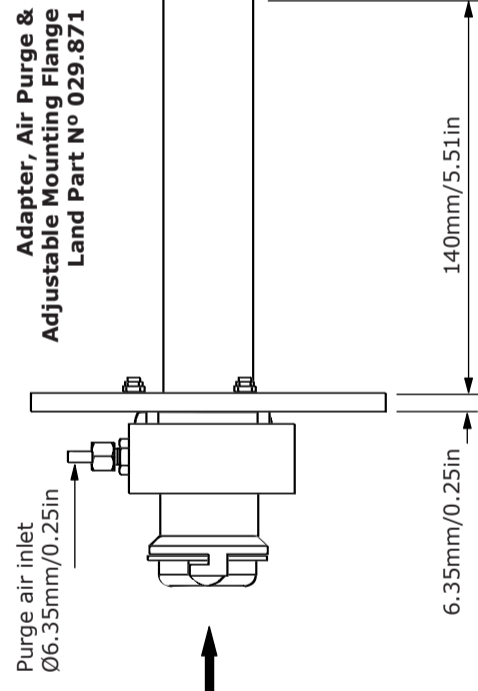


Fiberoptic Thermometer Mounting Accessories - Installation Information

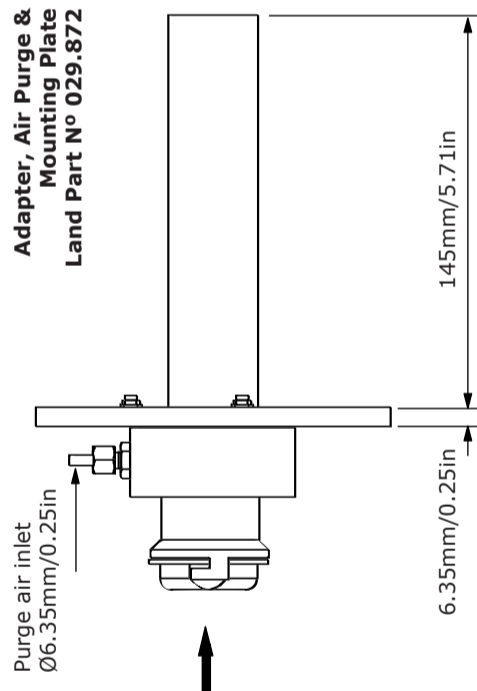
Adapter & Air Purge
Land Part No 029.870



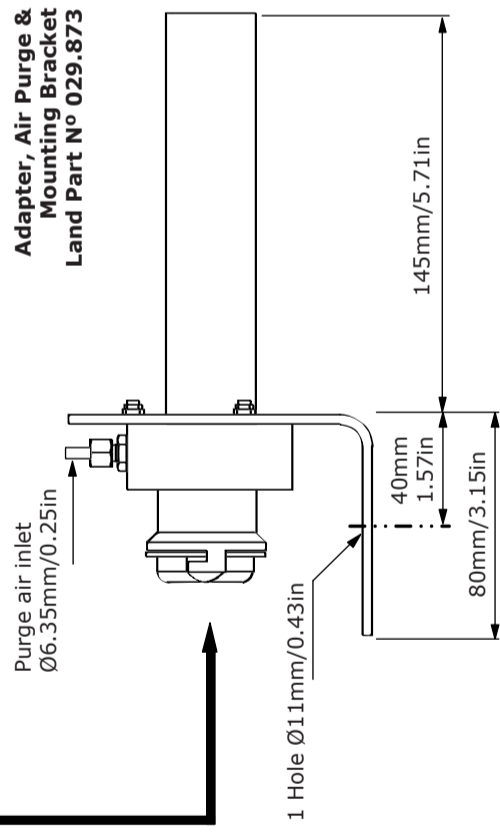
Adapter, Air Purge & Adjustable Mounting Flange
Land Part No 029.871



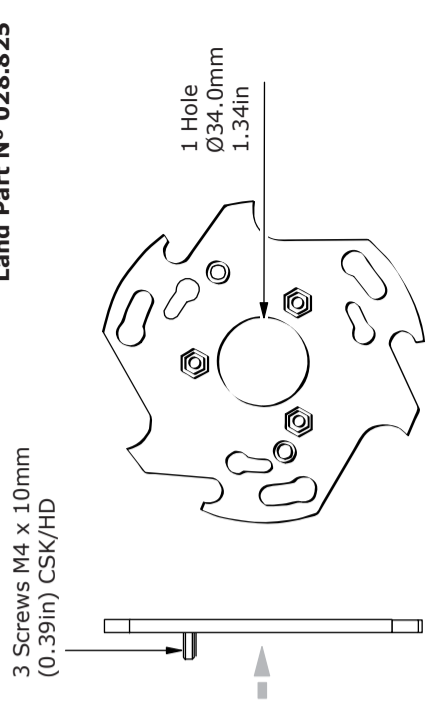
Adapter, Air Purge & Mounting Plate
Land Part No 029.872



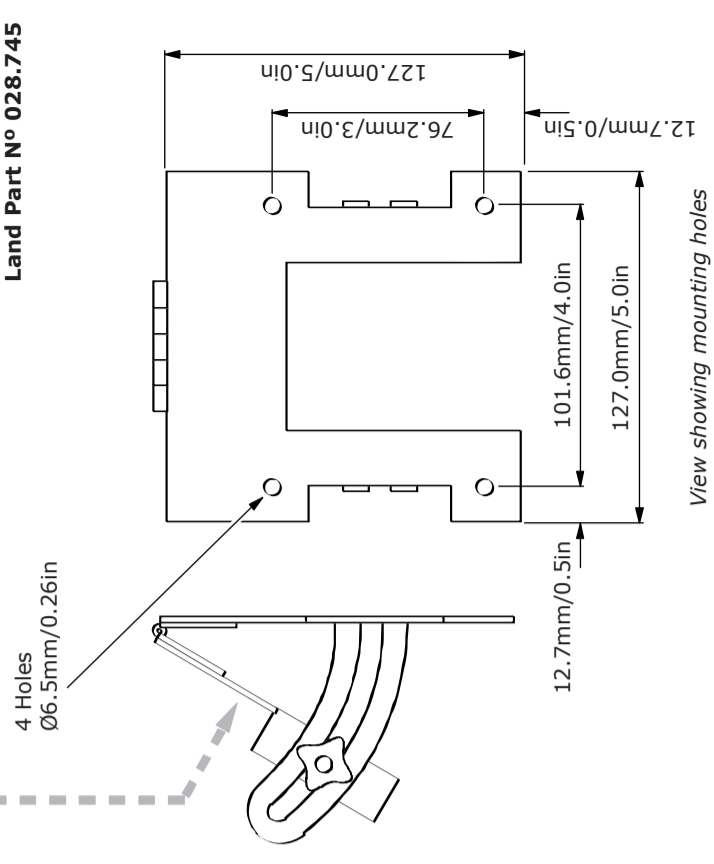
Adapter, Air Purge & Mounting Bracket
Land Part No 029.873



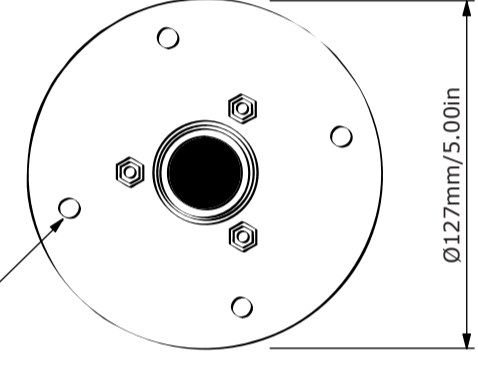
L & N/Honeywell Adapter
Land Part No 028.825



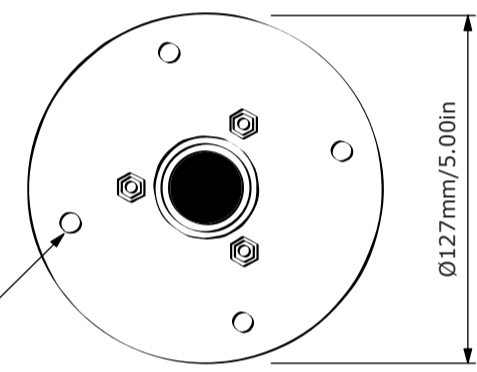
Hinged Adjustable Mounting Plate
Land Part No 028.745



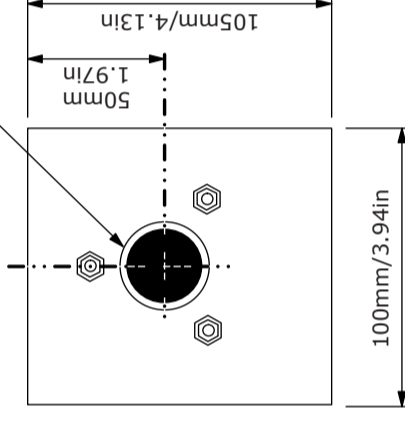
4 Holes Ø7.2mm / 0.28in equispaced on 101.6mm / 4.00in pcd



4 Holes Ø7.2mm / 0.28in equispaced on 101.6mm / 4.00in pcd



1 Hole Ø35mm/1.38in



Notes

When choosing a location for the Fibroptic thermometer mounting, ensure that for the 'M' series thermometer, the target fills the field of view of the optic head at the chosen target distance. (Refer to the Fibroptic Thermometer User Guide for target size tables).

Air purge flow rate: 1 litre per second (2.12ft³/min)
Air purge pressure: 0.1 atmosphere (0.1bar)