Aztec ADS430150
Open tank flanged dip mounting kit

1 Introduction

This publication details installation procedures for the ADS430150 open tank flanged dip mounting kit used to mount the ADS430 (RDO®-PRO-X) optical dissolved oxygen probe (usually pole-mounted) over an un-pressurized tank or channel. The procedures must be carried out by a trained technician.

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<th>Description</th>
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<td>Flange, insert, 2 x thumb screws</td>
<td>ADS430150</td>
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Table 1 Open tank flanged dip mounting kit ADS430150

ABB pole-mounting options comprise:
- dip pole assembly ADS430100 (including pole)
- dip pole mounting adaptor kit ADS430105 (requires user-supplied dip pole)

Tools required
- Flat-bladed and pozi-drive screwdrivers, suitable for M8 fixings
- Adjustable spanner
- User-supplied mounting plate / cover and fixings (see Fig. 3.1 for flange dimensions)

2 For more information

Further information is available from:
www.abb.com/analytical

or by scanning these codes:

Sales  Service
3 Installation

3.1 Flange dimensions
Flange to mate with:
BS4504 DN50 (PN10 and PN16) / ANSI Class150
Dimensions in mm (in.)

Fig. 3.1 Flange dimensions

3.2 Mounting
Referring to Fig. 3.2:
1. Machine suitable bolt holes and opening for the dip pole / probe assembly in:
   — mounting bracket / support A (wall- / panel-mounting bracket option), secure to wall / panel
   — cover / lid B (enclosure- / tank-mounting option)
2. Secure flange C in position on the supporting surface.
3. Slide the pole-mounted probe assembly (or probe only if pole not required) D through flange insert E until temperature sensor F is immersed fully.
4. Tighten both thumb-screws G finger-tight to secure the pole / probe in the operating position.

Fig. 3.2 Mounting examples

Acknowledgements
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