

Hook Load Transducer Installation Instructions

1. The certification marking is as follows:
Ex ia IIC T5 by the load pin manufacturer
See the load pin MFG info/Manual for additional details including IS safety Barrier selection.
2. The equipment may be used in Zones 1 and 2 with flammable gases and vapours with apparatus groups IIA, IIB & IIC and with temperature classes T1, T2, T3, T4 and T5.
3. The equipment is only certified for use in ambient temperatures in the range -40°C to +93°C and should not be used outside this range.
4. The certificate number has an 'X' suffix, which indicates that the certificate contains one or more special conditions for safe use. Those installing or inspecting the equipment should refer to this section of the certificate.
5. The equipment has not been assessed as a safety-related device (as referred to by Directive 94/9/EC Annex II, clause 1.5).
6. Installation of this equipment shall be carried out by suitably-trained personnel in accordance with the applicable code of practice.
7. Repair of this equipment shall only be carried out by the manufacturer or in accordance with the applicable code of practice.
8. The certification of this equipment relies on the following materials used in its construction:

Enclosure: Case material type – Stainless Steel.

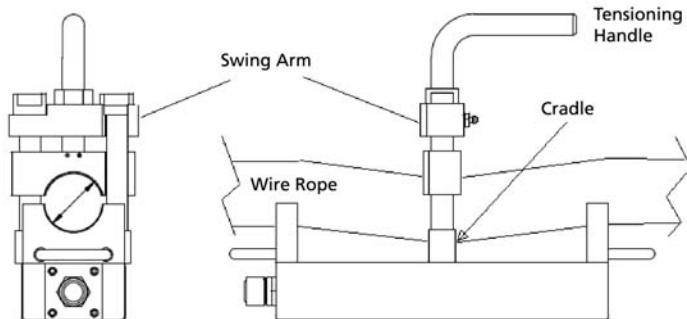
If the equipment is likely to come into contact with aggressive substances, then it is the responsibility of the user to take suitable precautions that prevent it from being adversely affected, thus ensuring that the type of protection is not compromised.

“Aggressive substances” – e.g. acidic liquids or gases that may attack metals, or solvents that may affect polymeric materials.

“Suitable precautions” – e.g. regular checks as part of routine inspections or establishing from the material's data sheet that it is resistant to specific chemicals.

Installation

- Temperature ratings - The equipment is only certified for use in an ambient temperature range -40°C to +93°C.
- The equipment must not be directly installed in any process where its enclosure might be charged by the rapid flow of a non-conductive media.
- Use tensioning handle and open the swing arm.
- Secure/Hang the unit by the top handle to the structure as a safety precaution.
- Place over the cable/wire rope to be monitored (Generally the dead Line) and swing the Swing arm back in place.
- Place tension on the wire rope using the Tensioning Handle until there is a deflection in the rope and that the bottom of the wire rope touches the bottom of the Cradle below the swing arm. Then tighten the jam nut to lock the handle in place.
- Safety point – Error on the safe side. If something does not seem right, check for damage or contact the manufacturer for assistance.



Maintenance Issues

- Periodic checks should be made to ensure that there is not excessive play, bending, cracks or corrosion due to wear or damage.
- Periodic checks should be made to ensure that there is not excessive friction in the threaded areas due to wear, damage or corrosion.
- Grease any threaded areas or where grease fittings are installed.

