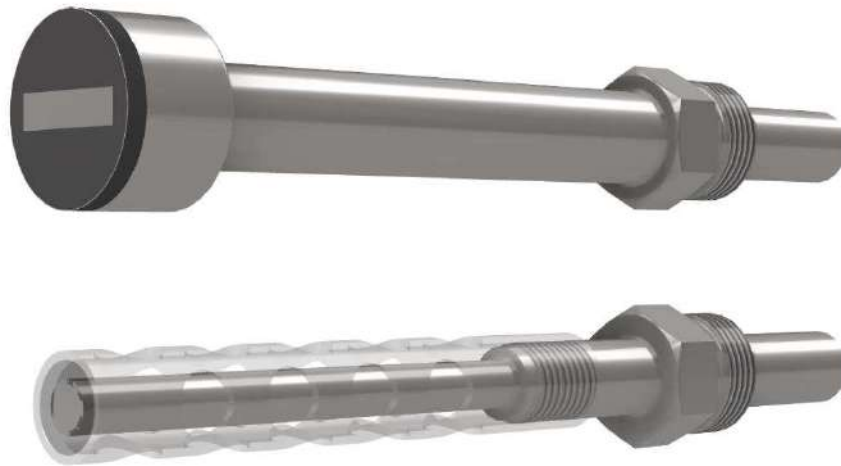


AXESS HR ER PROBES



AX High Resolution ER (Electrical Resistance) Corrosion Probes

Early detection of changes in corrosion is key to implementing and optimizing a robust corrosion control program. The Axess range of HR ER probes are designed and compatible with High Resolution Instrumentation providing a highly sensitive method of detecting corrosion and erosion events by monitoring small changes in the electrical resistance of a metal element directly exposed to the process.

The use of HR ER (electrical resistance) probes is a proven, established industry technique which operates on the principle that the electrical resistance of a metal element will increase as the cross-sectional area decreases due to corrosion or erosion. Axess HR ER probes utilize a second element, called the reference element. Manufactured from the same material as the measurement element, the reference element is stored inside the body of the probe, where it is shielded from the process and used to auto-compensate for changes in electrical resistance due to other factors such as temperature.

Unlike some other technologies, Axess HR ER probes operate independently of the process properties and can therefore be used in almost any environment.



Incorporating Axess HR ER probes and High-Resolution instrumentation into an integrity management program provides early, reliable detection of changes in corrosion/erosion rates allowing operators, integrity, and maintenance teams to optimize corrosion control programs, increase safety and extend asset life.

Axess offers ER probes in a variety of configurations to suit almost all monitoring locations and processes. Tubular element probes are more robust, have longer lifespans and are ideally suited to monitoring center of line. Flush probes can be installed with the element positioned in line with the pipe wall and are therefore suited to monitoring top and bottom of the line where localized corrosion may occur. Multiple mounting options are offered for both high- and low-pressure systems with many of these being retrievable for maintenance and replacement under normal operating conditions using Axess retrieval equipment.

Please visit www.Axess-Corrosion.com/resources for more information or contact an Axess expert to discuss your monitoring requirements.

Key Features

- **Multiple Mounting Options (High and Low Pressure)**
- **Ideal for High Pressure 6K PSI and High Temperature Applications**
- **Shields available for High Velocity Flow**
- **Flush Probe Element available for Bottom of the Line/Pig-able Lines**
- **Cylindrical and Flush elements available in a range of materials required and different Probe Spans to suit**

Sample Part Numbering:

