



Liquid & Slurry

Solid & Powder

Steam & Water

## Corrosion Probes

### CORROSION MONITORING

Sentry® Saf-T-Vise® probes can be inserted and retracted within a pressurized system for applications that need continual or instant corrosion monitoring. An electrical resistance (ER) probe measures both electrochemical and mechanical corrosion and is suited to corrosive environments with either poor or non-continuous electrolytes, such as vapors, gases, soils, wet hydrocarbons and nonaqueous liquids. A linear polarization resistance (LPR) probe measures only electrochemical corrosion and is most effective in aqueous solutions, providing almost instant measurement of the corrosion rate. This allows an operator to evaluate changes or monitor the effectiveness of a chemical program and make adjustments quickly based on the probe readings.

#### MODELS

STV-ER | STV-LPR

#### BENEFITS

The Saf-T-Vise STV-ER and STV-LPR probes offer a unique patented locking collet to hold the probe securely in the process stream. The probes are easy to place into and retrieve from a pressurized pipeline without interruption of the system. Either probe may be installed permanently to provide continuous information or may be portable to gather periodic data from several locations.

#### FEATURES

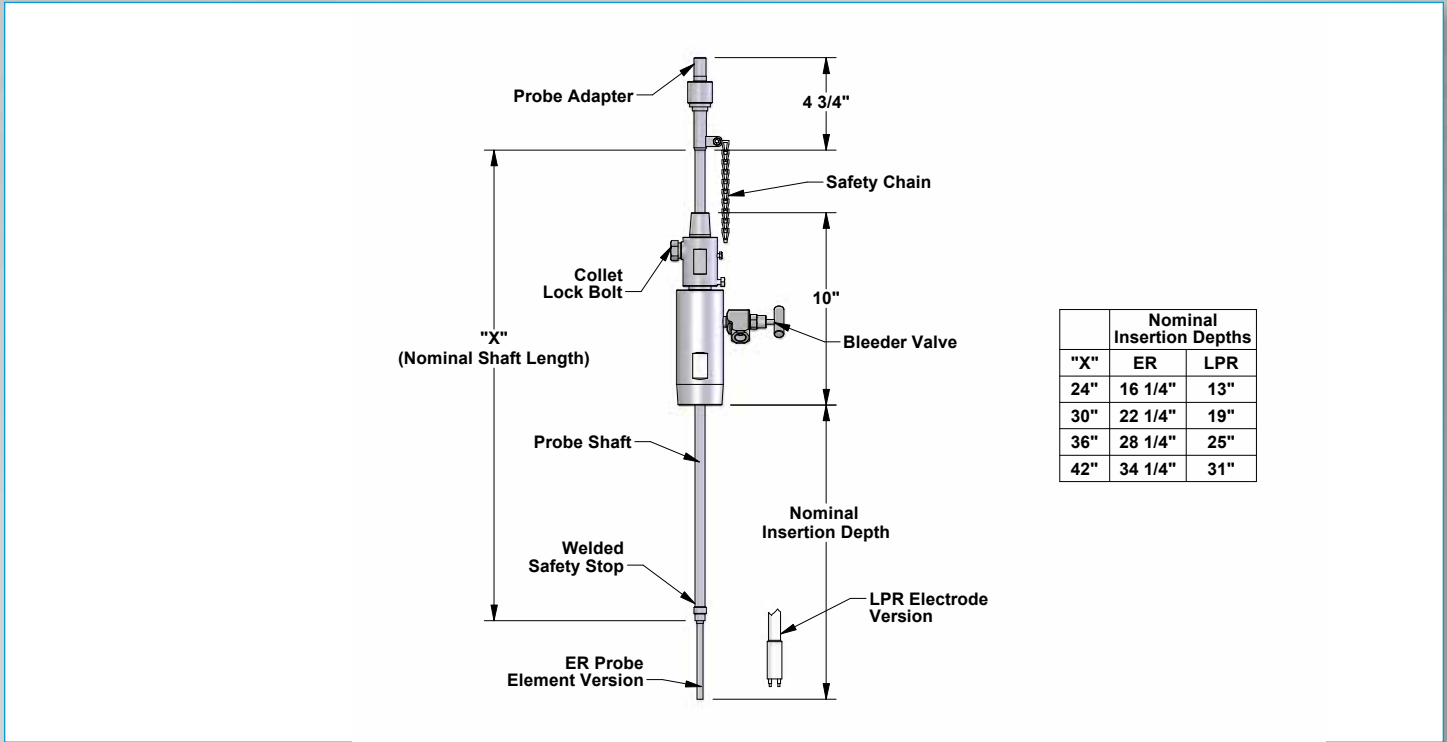
- All process wetted parts 316/316L SS (dual grade), excluding the probe electrode, which can be constructed from a variety of alloys depending on application requirements
- Process pressure bleeder valve
- Patented locking collet safely secures the probe within the process stream until released by the operator
- Integrated safety chain
- Hand or mechanically insertable (non-telescoping Saf-T-Vise STV-T Series insertion tools sold separately)
- Remote telemetry and portable data logger options available



Manufactured under one or more U. S. patents: 6,357,470 B1; 8,359,937 B2

Sample. Monitor. Measure.





## SPECIFICATIONS

<b>weight</b>	Ranges from 15 to 45 lb (7 to 20 kg) depending on configuration
<b>materials</b>	All process wetted parts, 316/316L SS (dual grade), excluding probe electrode
<b>pressure rating</b>	3000 psi (207 bar) MOP
<b>temperature rating</b>	min: 0°F (-18°C) / max: 500°F (260°C)
<b>process connection</b>	1 in or 2 in male NPT; flanged connections available

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QUALITY SYSTEM