# ID-200H Series

**2 Wire Loop Powered Interface Detector with HART**

**SYSTEMS:** ID-201H (½ Inch Shaft)  
ID-202H (1 ¼ Inch Shaft)  
with Integrated HART Communication Capability

## Description

The **ID-200H Series Interface Detectors** are 2 wire 4-20mA loop powered probes used for interface measurement and control in all types of liquid/liquid and vapor/liquid separation processes including emulsions and foam. A wide range of models are available for the control of a variety of process installations such as Tanks, Decanters, Dehydrators, Coalescers, etc. The **ID-200 Series** advanced control capabilities can be used to automate upset responses, antifoam and demulsifier chemical feed systems and eliminate cross-contamination of separating phases.

## Operating Range

- **Emulsion Concentration:** 0-100% Hydrocarbon/ Water by Volume
- **Process Temperature:** Standard: 32°F to 300°F (0°C to 149°C)  
  High-Temp: 32°F to 450°F (0°C to 232°C)
- **Ambient Temperature:** -40°F to 185°F (-40°C to 85°C)
- **Pressure Rating:** Up to 3000 PSI

## Materials Of Construction

- **Probe:** Standard: 316 Stainless Steel, Teflon & Peek  
  Optional: Duplex, Hastalloy, Monel (Others available upon request)
- **Seals:** Standard: Aflas and Teflon  
  Optional: Viton

   NACE compliant

## Optional Process Connection

- **SH-2”/SS:** 2” NPT Seal Housing, 316 Stainless Steel
- **SH-2”/CS:** 2” NPT Seal Housing, Carbon Steel
- **CF-3/4”/SS:** 3/4” NPT Compression Fitting, 316 Stainless Steel
- **CF-3/4”/CS:** 3/4” NPT Compression Fitting, Carbon Steel
- **Flanged Connections:** ANSI 150# to 1500#