

## ADS Spillguard® System

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### Applications

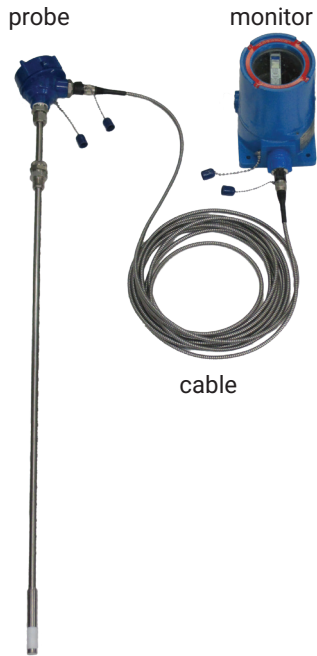
- Shutdown and alarm system for tank cars, tank trucks, barges, and ships
- Suitable for open and closed domes

### Sizes

- Standard cable lengths: 15', 25', and 50'; other lengths available
- Insertion lengths: 4" to 60" standard; other lengths available

### Features

- Rugged, explosion-proof, weather-, chemical-, and corrosion-resistant
- LED status lights visible through glass cover
- Inserts into tank through standard 1/2" NPT fitting
- Probe can be portable or permanently installed in the vessel
- Laser engraved graduated rod with 1/4" graduations
- Probe-to-controller cable protected by stainless steel interlocking armor sheath and heavy-duty latching connectors at both ends
- Fail-safe design: unit trips in the event of an open or shorted cable or loss of power
- Choice of capacitance, conductivity, or single-point ultrasonic sensors
- Input power: 120 VAC, 240 VAC, or 24 VDC, 2.5 watts
- Output relay de-energizes on high level, broken, or shorted sensor cables, or loss of power
- Sensor excitation open circuit voltage 8 VDC, short circuit current 8 mA with built-in FM-approved barrier
- Optional self-test feature, tilt and ground verification interlocks, and latching circuit available



### Materials

- Wetted materials: 316 stainless steel and PTFE standard, other materials available
- Controller housing: NEMA 4X, NEMA 7, Explosion Proof, Class I, II, Groups B, C, and D

### Specifications

- Minimum dielectric constant: 1.8
- Temperature range:
  - Capacitance probe: **-14°F to 250°F (-26°C to 121°C)**
  - High-temp capacitance probe: **-14°F to 325°F (-26°C to 163°C)**
  - Probe pressure rating: **50 PSI** with standard fitting; consult Dixon® for applications up to **300 PSI**
- Sensor suitable for Class I, II, III, Div 1, Groups A, B, C, and D when used with supplied controller and cable lengths of 10,000' or less
- Output relay dry contacts 2 form C (2PDT) rated 2 amps at 120/240 VAC, 1 form C (SPDT) with optional latching circuit and reset switch

### Approvals

- Cable connectors designed for repeated mating meet IP 65 mechanical and environmental specifications
- FM, CSA HAZ Loc Class I Div I, Groups B, C, and D

## A210 Spillguard Monitors

Monitor Options	24V DC Part #	120V DC Part #
A210 Spillguard monitor	A210-24	A210-120
with bypass timer	A210B-24	A210B-120
with external reset switch	A210R-24	A210R-120
dual channel control monitor	A212-24	A212-120