

SureCross® DX99 FlexPower Node

integrated with Siemens 2100 Digital Level Sensor



High accuracy wireless monitoring of tank levels and temperature

Banner's SureCross DX99 D4 integrated with Siemen's DLS 2100 Digital Sensor provides a solution that allows you to wirelessly monitor tank fluid levels and temperature for years of maintenance-free reliability. This solution is completely wireless, meaning no power or communication cables are required.

DX99 D4 Provides:

- Proprietary SureCross wireless protocol for reliable, secure communications unaffected by cellular or WiFi
- Industrial spread spectrum technology ensures exceptional noise immunity
- RF link loss detection
- Choice of 900 MHz or 2.4 GHz ISM frequencies
- Radio range of 3 miles (4.8 km) line of sight
- Built-in RSSI (radio signal strength indication)
- High/High level alarm indication

DLS 2100 Provides:

- Level measurement provides 1/4 inch resolution and +/- 1/8 inch accuracy
- Measurement of total fluid level, water- interface level and fluid temperature
- Probes from 2 to 35 feet (0.6 to 10 m) available in stainless steel or fiberglass

Wireless Network:

- Gateway can monitor up to 47 DX99 Nodes
- Retrieve information via Modbus RTU

Intrinsically safe – certified for Class I, Division I, Group D

Reliable, robust solutions that
result in low life cycle costs



Easy-to-follow 3 step deployment process:

1. Mount/Wire DX99 to DLS
 2. Bind to RF Gateway
 3. Install in tank
- Just follow the SureCross Wireless Technical Note (P/N 166440)

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DX99 Node Kits*

DX99N2-2100-ASSY for 2.4 GHz Radio Networks

DX99N9-2100-ASSY for 900 MHz Radio Networks

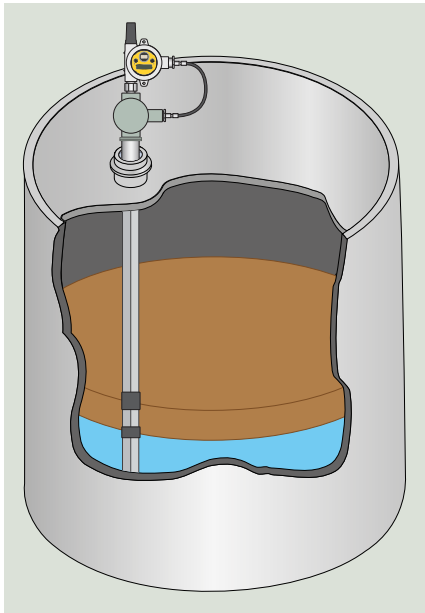
Kit includes the appropriate antenna, fittings for sealing the DX99 Node to the DLS 2100, and plug and play wiring/connector. Technical Note (P/N 166440) gives detailed instructions for wiring and configuration needs.

*DLS2100 needs to be ordered separately

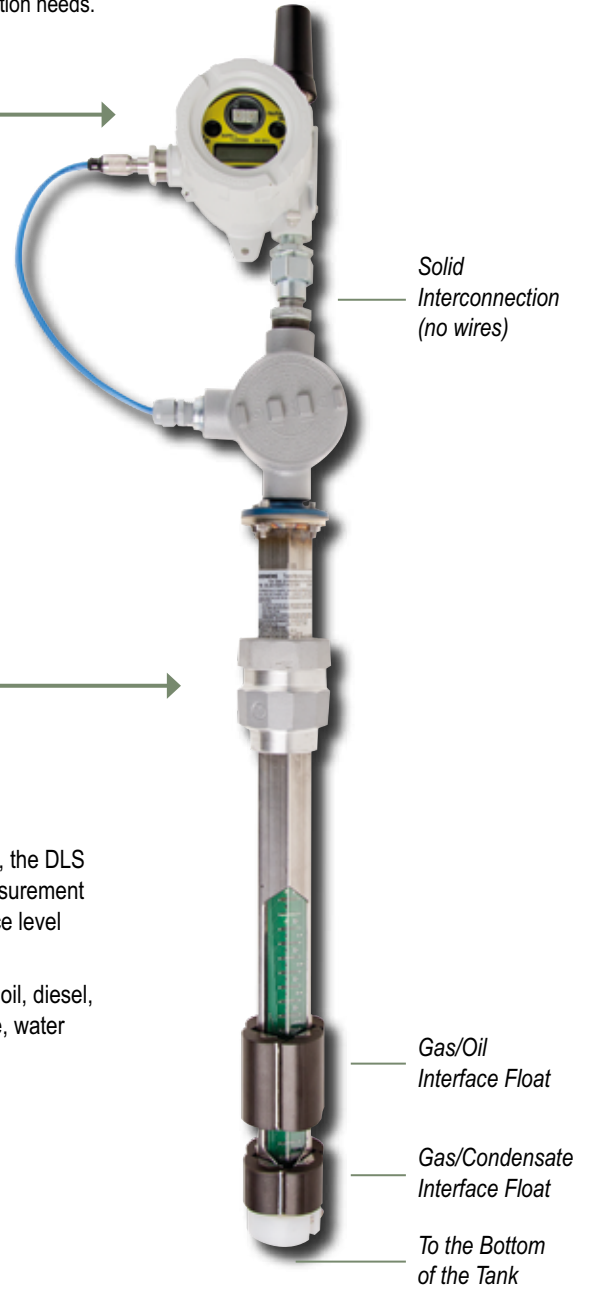
- 2 button user interface
- LCD Display
- 1 D cell battery
- 4 Year battery life at 15 minute measurement intervals

- Provides communication and power for the DLS2100
- UV-resistant PTFE jacket

- Compatible with 3 inch NPT female tank ports



- Utilizing reed-switch technology, the DLS provides accurate, reliable measurement of total fluid level, water-interface level and fluid temperature
- The DLS is effective with crude oil, diesel, kerosene, condensate, gasoline, water and many other fluids



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