

# 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

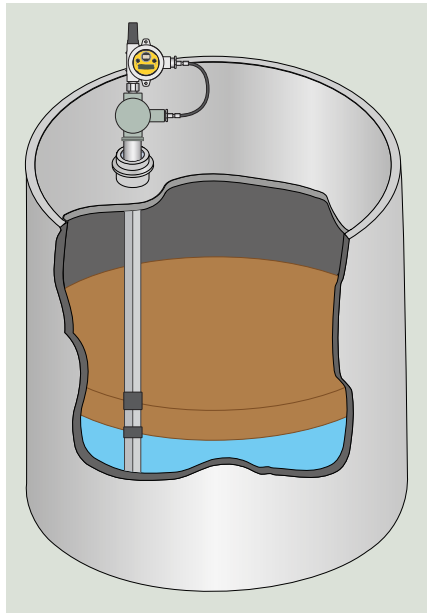
Kit includes the appropriate antenna, fittings for sealing the DX99 Node to the DLS 2100, and plug and play wiring/connector. Technical Note (P/N 166440) gives detailed instructions for wiring and configuration needs.

\*DLS2100 needs to be ordered separately

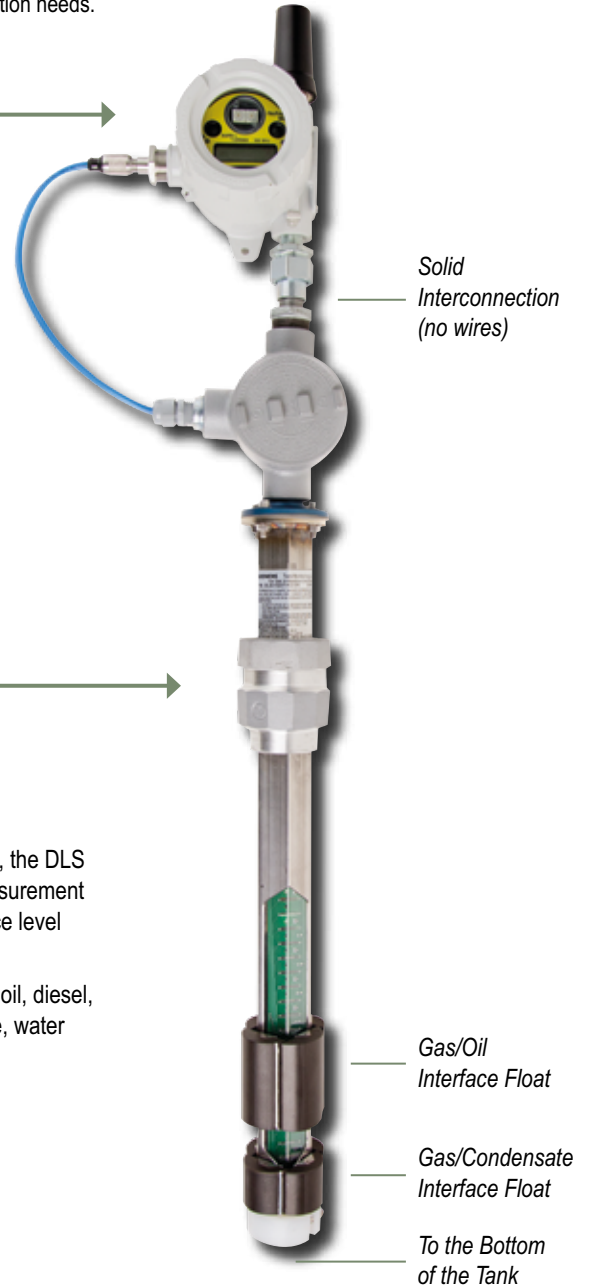
- 2 button user interface
- LCD Display
- 1 D cell battery
- 4 Year battery life at 15 minute measurement intervals

- 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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**Banner Engineering Corp.**

9714 Tenth Avenue North • Minneapolis, Minnesota 55441

Email: [sensors@bannerengineering.com](mailto:sensors@bannerengineering.com)

(763) 544-3164 • Fax: (763) 544-3213 • Toll-free: 888-373-6767

[www.bannerengineering.com](http://www.bannerengineering.com)



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