

BEEDE®

Instruments and Gauges to help your business go the distance

NexSysLink® CAN-based instruments



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A continuing tradition of quality products, on-time delivery and the best value for your money.

About Beede

Beede Electrical Instrument Company produces high-quality instrumentation to fit your unique applications. Whether you require gauges for the simplest motor or the most advanced, computerized engine, Beede has standard products – or will custom design technology to fit your individual needs. Beede has been owned and operated by the same family since the company's founding in 1917. Beede's history underscores the company's ability to stay in the forefront of change and demonstrates its reliability as a supplier of state-of-the art products.

Made in the USA

Beede is an American-owned company. Its electronic instruments are designed, engineered and manufactured in the United States. Having all essential operations in the same locale allows Beede to offer you some of the best turnarounds and most responsive support in the industry. This is only possible by having total control of all aspects of design, engineering and manufacturing.

Whether you need custom-engineered solutions or high-volume movements, Beede specializes in your satisfaction.

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Visit our web-based support forum at www.beede.com



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Made in the USA
Beede is ISO 9001 certified

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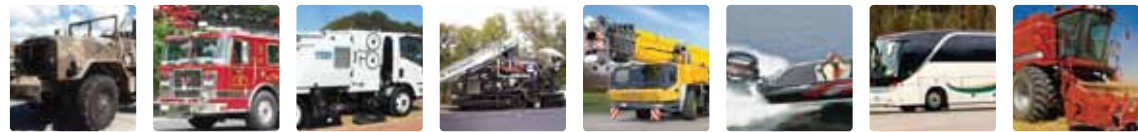
BEEDE®

CAN-based instrument system



The NexSysLink® Advantage

NexSysLink®, as its name implies, is the next generation instrumentation system from Beede that connects you with critical operating data transmitted by CAN (Controller Area Network) based apparatus. Suitable for a wide range of industries and applications, these instruments combine the best of analog and digital display technologies that provide the ability to quickly and accurately read industry standard CAN protocols.

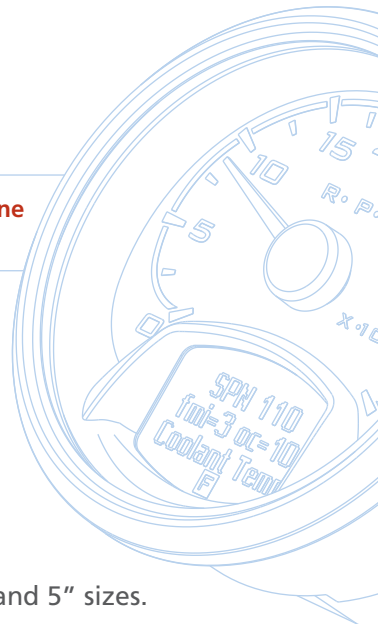


Thoughtful, expert design fills NexSysLink® instruments with practical and functional features users expect and appreciate. An intuitive menu driven user interface allows you to quickly configure and use the instruments according to your needs. Three discrete inputs give users the freedom to choose the style and location of interface menu switches (Mode/Enter, Up, Down) to improve the ergonomics of panel designs such as eliminating the awkwardness of reaching through a steering wheel. Configurable alert notification settings are easily tailored to prevent costly breakdowns or repairs of your equipment. Simple system wiring features a rugged, sealed and widely used connector to significantly reduce installation time and costs.

In addition to all the above, users will appreciate these rich design features:

- CAN Protocol support for: SAE J1939, NMEA 2000®, SmartCraft®, Indmar (MEFI-4)
- Eliminates the need for a translation "Black Box"
- Large transfective dot matrix LCD display
- Advanced stepper motor technology
- 250° pointer deflection on all instruments for increased resolution
- Master Node Instrument supports up to three discrete analog sender inputs including NMEA 0183 (GPS/Smart Transducer)
- Bright LED illumination
- Visual alert indicators standard on all minor node instruments
- Bold, easy to read graphics
- 50% shallower case design compared to air-core instruments and available in 2, 3 and 5" sizes.
- Single clamp design used to mount all instrument sizes
- Real glass lenses available as domed or flat

MNI displays engine diagnostic codes.



Specify NexSysLink® instruments for your application's dash or control panel needs and realize the benefits expertly designed CAN based instrumentation provides.

NexSysLink® product family & implementation

Your Application. Your Choice.

NexSysLink® family of instruments give you the option of choosing between a fully integrated daisy chain approach or a group of discretely wired stand-alone instruments. Adding additional instruments, regardless of the approach, always remains an option.

Fully Integrated

This configuration consists of a Master Node Instrument (MNI) that will read and process CAN data from the apparatus' ECU or discrete analog sender(s). The MNI will display and transmit the processed data to complementary minor or slave node instruments to provide an analog readout of the desired operating data. The instruments are connected via a simple three-wire daisy-chain style harness. This approach significantly reduces dash or control panel wiring yet still offers the ability to easily expand the number of minor gauge nodes to a maximum of sixteen.



Master Node Instruments (MNI)

Reads and processes CAN and/or analog sender data then transmits to all slave node instruments using a three-wire daisy-chain harness.

- Available in 3 or 5" sizes.
- LCD displays operating parameters
- Lockable menu options
- Up to three analog input channels

Slave Node Instruments (SNI)

Receives and displays data transmitted by MNI.

- Available in 2, 3 or 5" sizes.
- Multi-gauge configurations available
- Engine fault and warning indicator standard on all SNI's

Fault-Warning-Alarm (SNI)

Receives and displays data transmitted by an MNI. Provides users with additional fault and warning.

- Available in 2 or 3" sizes.
- Relay outputs
- Audible alarm output with mute option.

2" Analog SNI (ASNI)

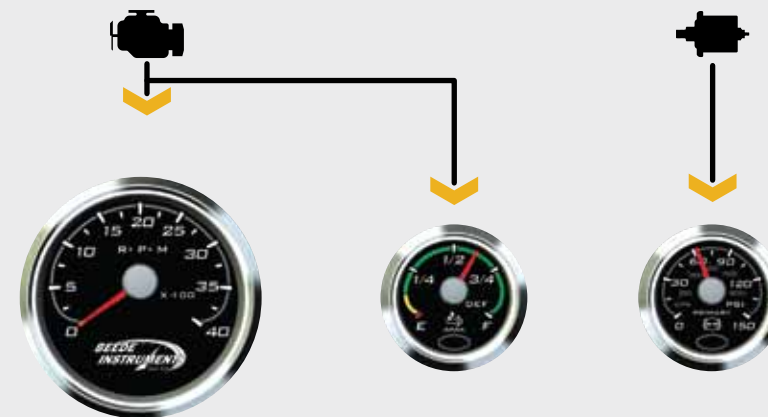
Receives data directly from analog senders and transmits information back to the MNI for display on the LCD.

A perfect way to expand analog inputs beyond the those found in the MNI.

- Supports resistive or voltage type senders.
- User settable alarms through MNI interface
- Illumination intensity set and controlled through MNI.

Stand-Alone

When your application requires each individual instrument to read and process CAN data directly from an ECU or analog sender, NexSysLink® instruments will satisfy that need as well. With this approach, each instrument connects directly to a CAN signal or sender and processes the information independently. Stand-alone instruments can enhance a fully integrated approach by allowing you to mount the instrument remotely from the main dash instruments without having to connect back to the main dash. This reduces wiring costs yet places ECU or sender information exactly where you need it.



2" Stand-Alone Node Instruments

Connects directly to a CAN data bus or analog sender. The choice when only a few parameters need monitoring or to complement an existing factory installed digital display.

- Various instruments included but not limited to:
 - DEF
 - Coolant Temperature
 - Oil Pressure
 - Oil Temperature
- Two factory set warning fault indicators
 - Amber (flashing)
 - Red (steady)