



2-inch CAN Display - SAE J1939

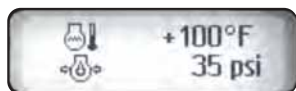
NexSysLink®

CAN Instruments Product Family

SAE J1939



Instrument Shown
Actual Size



Configurable Two Line Display

Features and Benefits

- SAE J1939 CAN protocol support
- Compact packaging
- 32 X 128 dot matrix graphic LCD
- Displays active and stored faults (SAE J1939 DM1 & DM2)
- Single or Dual Line Display
- Three discrete LED indicators
- Alarm output capable of switching up to 150 mA
- Built in audible alarm (mutable)
- Built-in, sealed, tactile rubber keypad
- Bright, adjustable LED illumination
- Environmentally sealed connectors

Product Description

The NexSysLink® CAN Bus display instrument reads and processes SAE J1939 compliant CAN messages.

The sunlight visible, transfective LCD displays operating parameters and is complemented by three discrete alert LED's.

An intuitive menu driven user interface accessed by three built-in tactile switches allows for easy display configuration.

Stand-alone and Master Node (MNI) configurations available. MNI configuration drives NexSysLink® SNI & ASNI gauges.

SAE J1939 Parameter Set*

Parameter Name	SPN	Parameter Name	SPN
Accelerator Pedal Position	91	Fuel Rate	183
Alternator Voltage	167	Engine Fuel Temperature	174
Battery Current	114	Engine Hours	247
Battery Voltage	168	Engine Oil Level	98
Boost Pressure	102	Engine Oil Pressure	100
Coolant Level	111	Engine Oil Temperature	175
Coolant Pressure	109	Hydraulic Oil Level	2602
Coolant Temperature	110	Hydraulic Temperature	1638
DEF Level	1761	Intercooler Temperature	52
DEF Temperature	3031	Percent Load	92
Engine Speed (RPM)	190	Vehicle Miles	245/917
Exhaust Gas Temperature	173	PTO Speed	186
Fuel Economy (Average)	185	Engine Throttle Position	51
Fuel Level 1	96	Vehicle Speed	84
Fuel Level 2	38	Transmission Oil Level	124
Fuel Delivery Pressure	94	Transmission Oil Pressure	127
		Transmission Oil Temperature	177

*Only actively broadcast parameters appear on the LCD.

Customizable Features

- Bezel profile, material & finish
- Dial face graphics & colors
- LCD Illumination color

Faria Beede Instruments, Inc.
P. O. Box 983
Uncasville, CT 06382
860.848.9271
Fax: 860.848.2704

88 Village Street
Penacook, NH 03303
603.753.6362
Toll-free: 800.451.8255
Fax: 603.753.6201



Environmental Specifications

- Shock (Non-operating):
 - 50G, 9-13mS half-sine,
 - 25 shocks in each of three orthogonal axes
- Vibration (Non-operating):
 - 0.06" (1.5mm) double amplitude 10-80-10 Hz
 - 2 hours in each of three orthogonal axes
- Temperature:
 - Operating, -20°F to 158°F (-30°C to 70°C)
 - Storage, -40°F to 185°F (-40°C to 85°C) 50% RH
- Humidity:
 - 95% relative humidity @110°F (43°C) non-condensing
- Salt Spray:
 - Meets or exceeds ASTM 117, 48 hours

Electrical Specifications

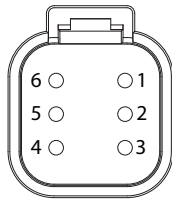
- Reverse Polarity Protection:
 - Standard entire system
- Load Dump:
 - Meets SAE J1113, 3 positive 80V transients
 - one minute intervals
- Operating Voltage:
 - 11-16VDC standard
- Over Voltage:
 - Withstands 18V continuously for one hour
- Output Signal Switching:
 - 150 mA Max.
- LCD:
 - Transflective FSTN dot matrix
 - positive image mode standard
 - 6:00 O'Clock viewing angle
 - LED illuminated. Color, white

Mechanical

- Bezel Material:
 - Stainless steel or aluminum
 - Finish, customer specified
- Case:
 - White thermoplastic copolymer
- Dial:
 - Textured finish polymer
 - Opaque characters & background
- Sealing:
 - IP 65 compliant

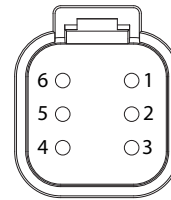
Wiring Connections

Stand-Alone Configuration Connections



Connector Wiring Table	
Pin Number	Connection Name
1	Battery +
2	Ground
3	Switched Output
4	Lamp (B+)
5	CAN-H
6	CAN-L

Master Node Configuration Connections*



Connector Wiring Table	
Pin Number	Connection Name
1	Battery +
2	Ground
3	Serial Data
4	Switched Output
5	CAN-H
6	CAN-L

- Mating Connector: Deutsch I.P.D. DT Series connector DT-06-6S, locking wedge W6A
- 16-20 AWG stranded copper wire recommended for all electrical connections.
- *Master Node configuration capable of driving up to 16 Slave Node (SNI) or Analog Slave Node (ASNI) NexSysLink® gauges.

Product Outline Drawing

Mounting hole size:
 $\varnothing 2.125 \pm .015"$
 ($\varnothing 53.98 \pm 0.38\text{mm}$)

Mounting hardware torque:
 6 lb-in
 (0.68 N-m) max.

Refer to the appropriate
 Beede installation instruction
 sheet for complete installation
 requirements.

Dimensions shown are in inches.

