



2" Alert Gauge Instrument

Product Description

Beede alert gauge instrument products are driven by traditional discrete analog senders to indicate a vehicle, vessel or systems engine or operating state.

A solid, one-piece, precisely balanced pointer attached to a moving magnet air-core movement accurately displays the measured characteristic.

A super-bright LED indicator illuminates or "alerts" operators when the measured characteristic exceeds either high or low factory set "trip" points.

All alert instruments provide an alarm output capable of switching 150mA DC to ground. This output allows users to connect an audible alarm, external relay or other device that can provide additional system protection.

Standard Product Configurations

Gauge Type	Trip Points
Coolant Temperature	↑200 °F
Engine Oil Temperature	↑240 °F
Fuel Level	↓1/8 Tank
Hydraulic Oil Temperature	↑180 °F
Pressure (All types)	
0-80 PSI	↓8 PSI
0-100 PSI	↓10 PSI
Transmission Temperature	↑240 °F
Voltmeter	↓10.5 & ↑15.5 V

Customizable Features

- Alert LED color (red, green or amber)
- Bezel Profile, material & finish
- Dial face graphics & colors
- Domed or flat glass
- Illumination color
- Trim ring color
- Company logo
- Trip Points



Voltmeter

Transmission Temperature with Image Series Graphics

Dual Scale Water Temperature with Alert LED Illuminated

Product Features

- Super-Bright alert LED
- Alarm output capable of switching up to 150mA
- Standard or custom alert trip points
- High-torque, heavy-duty air-core movement
- Environmentally sealed connector

Contact Beede
 Beede Electrical
 Instrument Company, Inc.
 88 Village Street
 Penacook, NH 03303
 (603) 753-6362
 Toll-free 800-451-8255
 Fax (603) 753-6201

Contact us for free information about our complete line of air-core products, accessories and **NexSysLink**® CAN based instrumentation.



WWW.BEEDE.COM

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

Accuracy:
±2% of input signal

Illumination:
Edge lit
1 CP, T 3-1/4 incandescent lamp
Color, clear, standard
Red or green available

Mechanical

Bezel Material:
Stainless steel or aluminum
Finish, customer specified

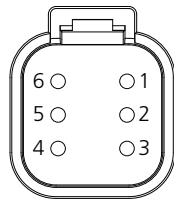
Case:
White thermoplastic copolymer

Dial:
Textured finish polymer
Opaque graphics & background

Pointer:
Edge lit
Color options (standard)
Black hub & tail with white blade
All black
All white
Color option (non-standard)
Black hub & tail with orange blade

Sealing:
Window sealing IP 65 compliant

Wiring Connections



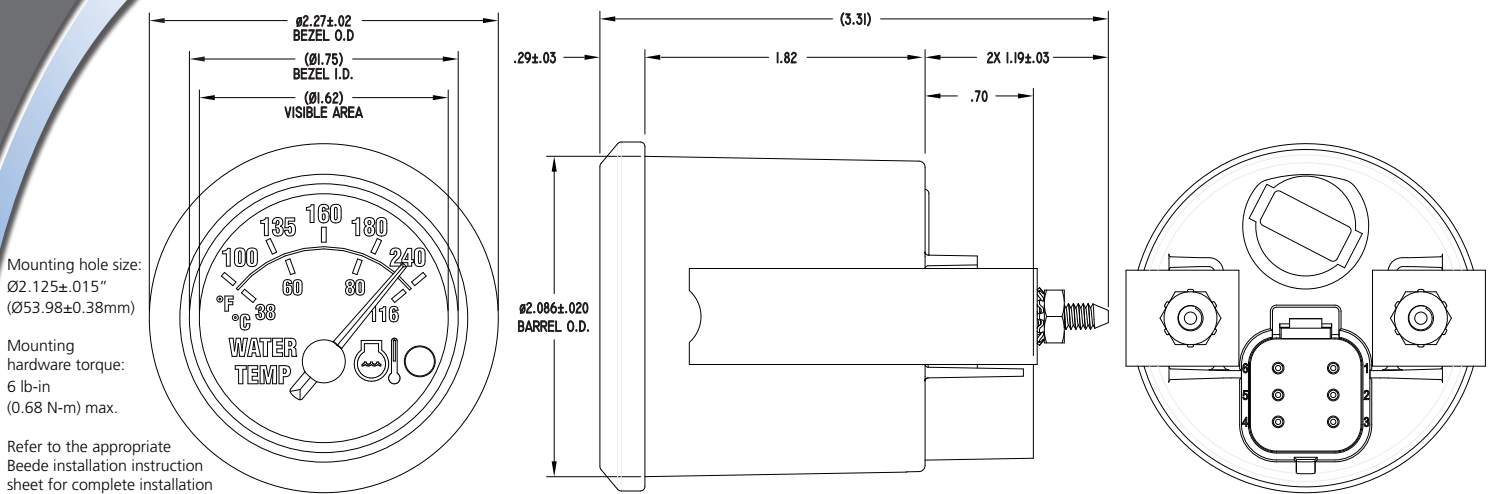
6 Pin Connector Detail
Mates with Deutsch I.P.D.
DT Series Connector
DT-06-6S
Locking Wedge W6A

Standard Gauge Connections	
Pin Number	Connection Name
1	Battery +
2	Ground
3	Sender Signal
4	Lamp (B+)
5	No Connection
6	Alarm Output

Voltmeter Connections	
Pin Number	Connection Name
1	Battery +
2	Ground
3	No Connection
4	Lamp (B+)
5	No Connection
6	Alarm Output

16-20 AWG stranded copper wire recommended for all electrical connections.

Product Outline Drawing



Contact Beede

Beede Electrical Instrument Company, Inc.
88 Village Street
Penacook, NH 03303
(603) 753-6362
Toll-free 800-451-8255
Fax (603) 753-6201

Sales

1-800-451-8255
sales@beede.com

Customer Service

1-800-451-8255
Extension 201 or 216
custservice@beede.com

24/7 Technical Support Forum

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



WWW.BEEDE.COM