EQUUS 6262

Equus 6262 Electrical Water Temperature Gauge User Manual

Model: 6262

1. Introduction

This manual provides comprehensive instructions for the installation, operation, and maintenance of the Equus 6262 Electrical Water Temperature Gauge. Please read this manual thoroughly before installation and use to ensure proper function and safety.

2. Product Overview

The Equus 6262 is a 2 1/16 inch electrical water temperature gauge designed for monitoring engine coolant/water temperature. It features a 90-degree sweep dial with white on black artwork, a high-contrast orange needle, and through-dial backlighting for visibility in various lighting conditions. Its electrical movement ensures accurate temperature readings.

Figure 1: Equus 6262 Electrical Water Temperature Gauge. This image displays the front face of the gauge, showing the black dial with white temperature markings from 100°F to 280°F and corresponding Celsius markings. The red needle indicates a reading of approximately 100°F. The gauge also features the EQUUS logo and website address.

Key Features:

- Temperature Range: 100° - 280° F / 40° - 130° C
- Back-Lit illumination for night use
- 90-degree analog needle sweep for reliable performance
- Rear twist-on ring mount design for simple installation
- Includes 1/8 NPT sensor, 1/2 NPT, 3/8 NPT, and M16x1.5 adapter bushings

3. What's in the Box

Verify that all components are present before beginning installation:

- Equus 6262 Water Temperature Gauge

- Temperature Sensor (1/8 NPT)
- Wire Harness
- Mounting Hardware (including 1/2 NPT, 3/8 NPT, and M16x1.5 adapter bushings)

4. Installation and Setup

Safety Precaution: Disconnect the vehicle's battery before starting any electrical work. Ensure the engine is cool before working with coolant systems.

4.1 Mounting the Gauge

1. Select a suitable location on your dashboard or instrument panel for the gauge. Ensure it is visible and does not obstruct driving.
2. Drill a 2 1/16 inch (52mm) diameter hole for the gauge.
3. Insert the gauge into the hole from the front.
4. Secure the gauge from the rear using the provided twist-on ring mount. Tighten until snug, but do not overtighten.

4.2 Sensor Installation

1. Locate a suitable port for the temperature sensor. This is typically in the engine block, cylinder head, or an inline adapter in a coolant hose.
2. Ensure the engine is cool and drain some coolant if necessary to prevent spills when removing an existing plug or sensor.
3. Apply thread sealant to the threads of the 1/8 NPT sensor.
4. Install the sensor into the chosen port. If the port is a different size, use one of the included adapter bushings (1/2 NPT, 3/8 NPT, or M16x1.5).
5. Tighten the sensor securely, but do not overtighten.
6. Refill coolant if drained and check for leaks.

4.3 Wiring Connections

The gauge requires three connections: Power, Ground, and Sensor Signal.

- **Red Wire (Ignition Switched 12V+):** Connect to a circuit that receives 12V power when the ignition is on. This powers the gauge.
- **Black Wire (Ground):** Connect to a clean chassis ground point. Ensure a good metal-to-metal connection.
- **Green Wire (Sensor Signal):** Connect to the signal terminal of the temperature sensor.
- **White Wire (Illumination):** Connect to a switched 12V+ source that activates with your vehicle's dashboard lights (e.g., headlight switch). This provides backlighting for night use.

Use appropriate electrical connectors and ensure all connections are secure and insulated.

5. Operation

Once properly installed and wired, the Equus 6262 gauge operates automatically. When the vehicle's ignition is on, the gauge will display the engine coolant temperature. The needle will sweep across the dial, indicating the temperature in both Fahrenheit (100°F - 280°F) and Celsius (40°C - 130°C).
The backlighting will activate when the illumination wire receives power, typically with the vehicle's headlights or dash lights, improving visibility during low-light conditions.
Monitor the gauge regularly to ensure the engine temperature remains within normal operating parameters for your vehicle. Consult your vehicle's service manual for specific normal operating temperature ranges.

6. Maintenance

The Equus 6262 Water Temperature Gauge requires minimal maintenance. Periodically check the following:

- **Wiring Connections:** Ensure all electrical connections remain secure and free from corrosion.
- **Sensor Connection:** Verify the sensor is still securely threaded into its port and that there are no coolant leaks around it.
- **Gauge Mounting:** Confirm the gauge is still firmly mounted in the dashboard and has not loosened.
- **Cleanliness:** Wipe the gauge face with a soft, damp cloth to remove dust or smudges. Do not use abrasive cleaners.

7. Troubleshooting

Problem	Possible Cause	Solution
Gauge does not power on (no needle movement, no backlight)	No power to red wire; Poor ground connection; Blown fuse.	Check 12V+ power source and connections. Verify ground connection. Check vehicle's fuse box.
Gauge reads maximum temperature constantly	Sensor wire shorted to ground; Faulty sensor.	Inspect green sensor wire for damage or shorts. Test sensor resistance (consult manufacturer specifications for expected values). Replace sensor if faulty.
Gauge reads minimum temperature constantly	Open circuit in sensor wire; Disconnected sensor; Faulty sensor.	Check green sensor wire for breaks or disconnections. Ensure sensor is properly connected. Replace sensor if faulty.
Backlight does not work	No power to white wire; Faulty bulb/LED (unlikely for new units).	Check connection to illumination source. Ensure illumination source is active.
Inaccurate readings	Incorrect sensor type; Poor sensor contact; Air pocket in cooling system.	Ensure correct sensor is used. Verify sensor is fully submerged in coolant. Bleed cooling system to remove air.

8. Specifications

Attribute	Detail
Brand	EQUUS
Model Number	6262
Gauge Type	Electrical Water Temperature Gauge
Gauge Size	2 1/16 inches (52mm)
Temperature Range	100° - 280° F / 40° - 130° C
Material	Plastic
Power Requirement	12V DC (Vehicle Electrical System)
Included Sensor	1/8 NPT
Included Adapters	1/2 NPT, 3/8 NPT, M16x1.5

Attribute	Detail
Manufacturer	INNOVA
UPC	047923062623

9. Warranty and Support

For warranty information and technical support, please refer to the manufacturer's official website or contact their customer service department. Keep your purchase receipt as proof of purchase for warranty claims.
Manufacturer: INNOVA
Website: www.iequus.com (as seen on the product image)