



GDX-350 Transmitter

Instructions for Replacing an Uncalibrated Sensor

Instruction: 5600-9003
Revision: 0
September 13, 2012

Replacement Instructions



IMPORTANT: This sensor requires calibration before being placed into service.

1. Ensure the area is safe for maintenance to be performed in accordance with area requirements and local regulations.
2. Remove power from the GDX-350 transmitter.
3. Loosen, unscrew, and remove the sensor head cap using the sensor replacement tool (P/N: 5600-0002) as shown below.

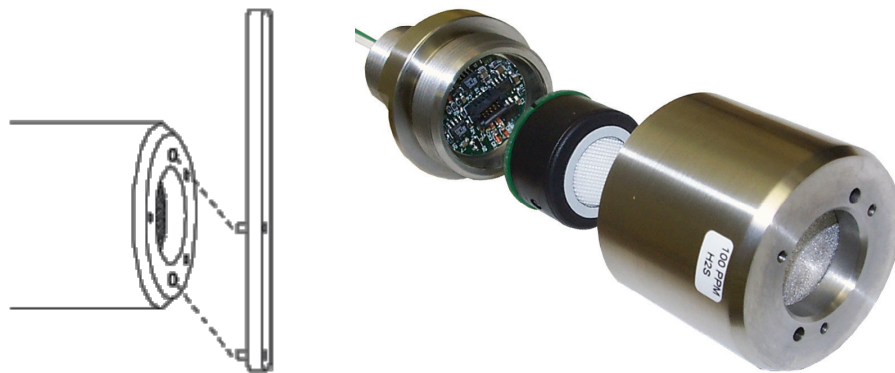


Figure 1. Sensor Head Cap and Sensor Replacement Tool

4. Remove the old sensor assembly (sensor and printed circuit board), noting the position of the notch found on the PCB header.
5. Install the new replacement sensor module.



IMPORTANT: Be sure to orient the PCB header notch so that it engages into its socket.

6. Replace the sensor cap securely onto the sensor head using the sensor replacement tool.
7. Apply power to the GDX-350 transmitter.



NOTE: The new sensor is automatically recognized by the GDX-350 transmitter. The sensor identification screen is displayed at power-up after the new sensor has been installed.

8. After installing the new sensor, the sensor identification screen is displayed:
 - automatically after power-up
 - manually by viewing **INPUT Type** in the **SENSOR SETTINGS/INFO** menu.

```

SMART SENSOR
Type:          Cat - Bead
Span:          100
Zero:          0
SN:            xxxxxx
Born On:       01/28/04
Last Cal:      04/05/04
ANY key to Exit
  
```

Figure 2. Sample Sensor Identification Screen

9. If the installed sensor type does not match one of those in the GDX-350 transmitter library, an error screen is displayed. Refer to operation manual for the GDX-350 Transmitter (P/N: 5600-9001) for detailed error screen information.

```

ERROR CODE 01
Incorrect Sensor
installed. Install
correct sensor or
update transmitter.
SEE MANUAL
EDIT key to update.
Any other to abort.
  
```

Figure 3. Sample Sensor Error Screen

10. After the sensor identification screen is displayed, the sensor has been successfully installed and is ready for the calibration to be performed.
11. Refer to the GDX-350 manual for full start-up and calibration instructions (P/N: 5600-9001).



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