

PRODUCT GUIDE / GF SIGNET TYPE 2260

Installation & Troubleshooting Guide

Mounting, wiring, and the full error-code reference — condensed from Georg Fischer's own Type 2260 Ultrasonic Level Transmitter Instruction Manual.

INSTALLATION

Mounting & Electrical Connection

Non-contacting ultrasonic measurement is specified precisely because no physical contact is made with the surface being measured – relevant for corrosive process media, contaminated liquids, or adhesive materials that would foul a contact-type sensor.

Requirement	Detail
Threaded model installation	Screw in place with open wrench; max torque 20 Nm; enclosure can rotate up to 350° after tightening (safety bolt limits further rotation)
ESD precaution	Touch a properly grounded point before removing the enclosure cover – the unit can be damaged by electrostatic discharge via its terminals
Cable core cross-section	0.5–1.5 mm ²
Grounding	Arrange grounding via the inner or outer grounding screw before powering on
Terminal warning	Do not supply terminals 1 and 2 – make sure terminals 2 and 3 are supplied (risk of personal injury/product damage)
Wind exposure	Intensive air movement near the ultrasonic cone can "blow away" the ultrasound signal – lower-frequency devices (40/20 kHz) are recommended in windy locations
Fumes/vapors	Closed tanks with chemical fumes above the liquid surface require a reduced nominal measuring range – lower-frequency devices recommended

TROUBLESHOOTING

Error Code Reference

The 2260's full error code table, sourced directly from Georg Fischer's Instruction Manual, Section 8.

Code	Description	Cause / Solution
1	Memory error	Contact representative of GF Piping Systems
2 (keinEcho)	Echo loss	No echo received – check for correct mounting per the manual's programming-error LED indications
3	Hardware error	Contact representative of GF Piping Systems
4	Display overflow	Check settings
5	Sensor error, improper installation, or level in the dead band	Verify sensor operation and correct mounting per the User's Manual
6	Measurement at reliability threshold	Try a better sensor location
7	No signal received within the measuring range set in P04/P05	Review programming; check for an installation mistake
12-15	Linearisation table errors (invalid or non-monotonic data pairs)	See the Linearisation section of the full manual
16	EEPROM checksum error	Contact representative of GF Piping Systems
17	Parameter consistency failure	Check programming
18	Hardware failure	Contact representative of GF Piping Systems

Access lock: P99 supports a secret-code lock against accidental or intentional re-programming – any value other than 0000 activates it, and it re-activates automatically each time the unit returns to Measurement Mode.

Specifying or troubleshooting a 2260 installation?

Send LibertyCES your tank geometry, media, and current wiring configuration – we'll confirm the right sensor frequency and mounting before anything ships.

James Riggins – Founder & Lead Spec Solutions Partner

(559) 395-5500 · james@libertyces.com

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