

F65 Series

Diffuse Mode Sensor



Standard Technical Data

| | |
|--------------------------------|--------------------|
| Design | Cuboid shape |
| Switching function | Normally-open (NO) |
| Voltage type | DC |
| Operating voltage (max) | 30 V |
| Connection type | M12 connector plug |
| Housing length L | 64.4 mm |
| Housing width W | 125 mm |
| Housing height H | 30 mm |
| UL | ■ |

For detailed data and description, see the datasheet. Further products can be found online at www.pepperl-fuchs.com.

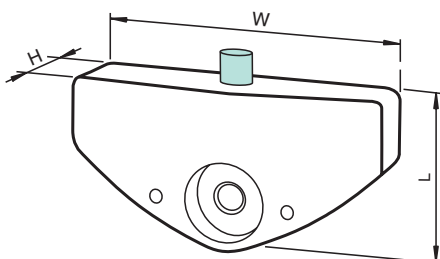
| Model number | Detection range [mm] | Dead band | Output type | UB (min) |
|----------------------|----------------------|-----------|----------------------------|----------|
| UC500-F65-E8R2-V15 | 500 | 60 | 2 * PNP, PNP | 12 |
| UC500-F65-UE2R2-V15 | 500 | 60 | Analog voltage output, PNP | 15 |
| UC500-F65-IE2R2-V15 | 500 | 60 | Analog current output, PNP | 15 |
| UC1500-F65-E8R2-V15 | 1500 | 200 | 2 * PNP, PNP | 12 |
| UC1500-F65-IE2R2-V15 | 1500 | 200 | Analog current output, PNP | 15 |
| UC1500-F65-UE2R2-V15 | 1500 | 200 | Analog voltage output, PNP | 15 |
| UC2500-F65-E8R2-V15 | 2500 | 250 | 2 * PNP, PNP | 12 |
| UC2500-F65-IE2R2-V15 | 2500 | 250 | Analog current output, PNP | 15 |
| UC2500-F65-UE2R2-V15 | 2500 | 250 | Analog voltage output, PNP | 15 |

Highlights

- Special sensor design seals the measurement opening in the tank to prevent water and odor leakage
- Variety of potential applications with a range of up to 2.5 m
- Teach-in at the sensor or via parameterization software for rapid configuration
- Analog and switching output in one device for impressive flexibility in the measured value output
- Highly robust with IP65 degree of protection

Brief Description

From the housing design to the mounting technology and measured value output, the sophisticated, application-specific concept of the F65 series ultrasonic diffuse mode sensors makes them the ideal solution for fill level detection in containers. The rounded housing design has no protruding elements, allowing it to be installed near the container side wall. The sensor seals the tank opening with its integrated O-ring, preventing water and odor leakage from the container. One single device provides the user with both a digital and an analog output, meaning the fill level can be continually measured in the container and limit levels can be detected.



Accessories

| | |
|---------------------|--|
| 3RX4000-PF | PC interface |
| V15-G-2M-PUR | Single-ended female cordset, M12, 5-pin, PUR cable |
| V15-G-2M-PVC | Single-ended female cordset, M12, 5-pin, PVC cable |
| V15-W-2M-PVC | Single-ended female cordset, M12, 5-pin, PVC cable |