



The OptiLevel (OL) Connect is the supply unit and Ex-barrier for the HLS filling level sensors in explosive areas and at the same time the interface to the superordinate system.

OL Connect additional modules allow for the following extension options:



#### **OL Connect Current Loop Module**

The additional module offers the opportunity to integrate external measuring systems with a current interface output of 4-20mA into the OptiLevel system. The module itself is plugged onto a free probe channel in the OL Connect.



#### **OL Connect Probe RS485 Module**

The additional module offers the opportunity to integrate third-party provider probes with an RS485 protocol into the OptiLevel system. The module itself is plugged onto one of the existing probe channels.



#### **OL Connect Host RS485 Module**

The additional module offers the opportunity to connect end devices via a serial connection of more than 20 m to the OL Connect. The RS485 host modules can also be used to connect two Connect devices across longer cable lengths of up to 1 km.



#### **OL Connect HecoFill Namur Probe Module**

The additional module offers the opportunity to integrate HecoFill probes directly into the OptiLevel system without using the level controller NK4xx. (Only possible with HecoFill probes variant Namur).



#### **OL Connect IoT Module**

The additional module bridges the gap between pure voltage supply and stationary serial connection to a host, forming an intelligent hub to the outer world. In this combination, tank content data can be sent to a variety of host systems via Internet connection. No matter whether direct network VPN connection or mobile connection, the data are available via Internet connection independent of the location.

## Additional Modules

Article no.	Designation
5000.10070100	OL Connect – 1 Standard
5000.10070200	OL Connect – 2 Standard
5000.10070400	OL Connect – 4 Standard
5000.10070101	OL Connect – 1 24 V
5000.10070201	OL Connect – 2 24 V
5000.10070401	OL Connect – 4 24 V
5000.10079000	OL Connect Host RS485 Module
5000.10079100	OL Connect Probe RS485 Module
5000.10079200	OL Connect Probe Current Loop Module
5000.10079300	OL Connect IoT Module
5000.10079400	OL Connect HecoFill Namur Probe Module

## Technical Data of OptiLevel Connect

Article no.	Designation
Designation	OptiLevel Connect
Product group	OptiLevel / 5000
Dimensions	W 260 x H 220 x D 60 mm
Weight	1 kg
Number of probes	2 or 4 probes per module, extendable to 8 modules (32 probes)
Voltage supply	U: 100 - 230 V~ ±10 %, P: 70W, I: 0.1 A, F: 50/60 Hz optional: 21 - 28 V=, P: 70 W, I: 0.1 A Overvoltage category II TA: -25_C < Tamb < +70_C Lightning and surge protection integrated
Baud rates	300, 1200, 2400, 4800, 9600, 19200
Connection	Host RS 232 OptiLevel filling level sensors Cascading OptiLevel Connect / OptiLevel Supply
Connection options	Host RS 485 Cascading RS 485 IoT Board / LAN Probe connection via RS 485 Probe connection via Current Loop (4 - 20 mA) HecoFill Namur leak probes
Environmental conditions	Usage within buildings, Place of installation up to 2,000 m high Relative humidity 25 - 95 % (non-condensing) Degree of contamination 2 (acc. EN 61010)
Protection class	IP42 IK09