

Measure

OptiLevel Connect & Additional Modules

The OptiLevel Connect is the interface between the higher level system and the probes. As an explosion barrier the OptiLevel Connect simultaneously takes over the galvanic isolation of each probe, thus offering reliable explosion protection.



With the successor of the OptiLevel Supply series you can now use and combine even more devices in the field. In the standard version, the OptiLevel Connect is available in three combination levels – for one probe, for up to two probes, or for up to four probes. In full expansion up to 32 probes can be connected to a host.

The additional modules can be inserted into the prepared slots, and the scope of functions can be extended by many convenient features!

24 V DC variant available

For the use on vehicles such as trucks and construction machines, a variant with a supply voltage of 24 V DC is available.



Your Benefits

- ✓ Convenient box in simple and modern design
- ✓ Easy function expansion by plug-in modules
- ✓ 24 V variant for truck installation and mobile refuelling solutions
- ✓ Presentation of tank content data independent of location
- ✓ Easy assembly
- ✓ Outdoor usage possible (protection class IP42)

Typical Applications

- ✓ Filling stations & depots
- ✓ Process technology
- ✓ Mobile Tanks

Technical Data

Variations	5000.10070100 1 channel, 5000.10070200 2 channels, 5000.10070400 4 channels
Probe connection	1, 2 or up to 4 probes per connect, expandable up to 8 x 4 probes (32 probes in total)
Configuration	Configuration software OL- Config 2 (for additional modules)
Power supply	U: 100 to 230 V~±10 %, P: 70 W, I: 0.1 A, F:50/60 Hz Optional: 21 to 28 V =, P: 70 W, I: 0.1 A Overvoltage category II TA: -25 °C < Tamb <+70 °C Lightning and overvoltage protection integrated
Baud rates	300, 1200, 2400, 4800, 9600, 19200
Connection	Host RS232 serial, OptiLevel level probes, cascading OptiLevel Connect / OptiLevel Supply
Environmental conditions	Use inside buildings, installation site up to 2,000 m altitude Relative humidity 25 to 95 % (non-condensing), pollution degree 2 (according to EN 61010)
Protection class	IP42, IK09
Dimensions (mm)	W 260 x H 220 x D 60 mm
Weight	1 kg

Variations



- **5000.10079000 OL-Connect Host RS485 Module**

The additional module offers the possibility to connect end devices to the OL-Connect via a serial connection of more than 20 m distance. The RS485 host modules can also be used to connect two Connect devices over longer cable lengths. With the RS485 connection, line lengths of up to 1 km can be achieved.



- **5000.10079100 OL-Connect Probe RS485 Module**

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



- **5000.10079200 OL-Connect Probe Current Loop Module**

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



- **5000.10079300 OL-Connect IoT Module**

The additional module closes the gap between pure power supply and stationary serial connection to a host and forms an intelligent hub to the outside world. In this combination, tank content data can be sent to various host systems via an Internet connection. Regardless of whether a direct network VPN or mobile phone connection is used, the data is available via an Internet connection regardless of location.



- **5000.10079400 OL-Connect Namur Probe Module**

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

Combine with



OptiLevel Probes: The level probes measure tank contents reliably and maintenance-free.



PetroLine ATG Cloud Service: Web-based Tank Content Management Software for online retrieval of tank content data via web browser, tablet or smartphone.



Mineo and Mineo 2 Controller Touch: Powerful touch controller for the central administration of tank content data.



HecPoll 4/5: Web-based Management Software that centrally combines the data from fuel terminals and measuring probes.

