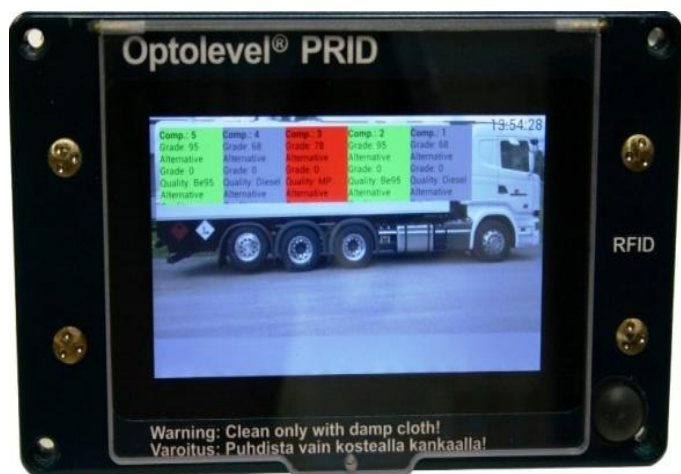


# Optolevel® PRID



**PRID** is a **Product Identification Device** for fuel transportation in tank trucks and rail cars to prevent overfills, mixtures, and accidents in delivery and to protect the environment from pollution as well as to eliminate all human errors.

PRID is a new and innovative system, which can be easily configured to suit any fuel transport company's requirement in loading, unloading and load transfer. PRID can be installed into all tank trucks and rail cars with pneumatic bottom valves.

## Features

1. Product mixing prevention for all available road tanker loading and unloading options
2. Manifold control, preventing product mixing in the manifold
3. Blocking list, which prevents non-allowed products from being dispensed via the manifold
4. Sealed-Parcel-Delivery possibility based on customer number, storage tank information or location
5. Possibility to change the fuel type information in the storage tank's tag, provided that this is allowed in the dispatch list
6. Ensures that the correct delivery overflow prevention amplifier is used
7. Ensures that the correct vapour recovery hose is used
8. Ground Wire Guard
9. Load transfer support (when activated, the relevant loading/unloading connections start simulating PRID-tags)
10. Computer-configurable - works with a variety of installations
11. Includes all Optolevel® GateWay system features
12. Support unlimited number of language options (in the Roman letter system)
13. Location services (Allow unloading based on given Geofence)
14. Level monitoring
15. Logical functions for unrestricted creation of controls and indication signals
16. Pump and free flow delivery meters



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## Technical Specification

Enclosure	
Dimensions (H x W x D)	161 x 262 x 91 mm
Weight	3,5 Kg
Material	Aluminium
Electrical Specifications	
Electrical Connection Max.	$U_n = 24 \text{ V DC}$ $I_n = 1 \text{ A}$
Power Supply Nominal	24 V (min. 17 V)
Ambient Conditions	
Operating Temperature	$-40^\circ\text{C} < T_a < 50^\circ\text{C}$
Relative Humidity	20 to 80 % (non-condensing)
Display	
Resolution	1024 x 600 dpi
Type	7" Touch screen
Certificate	
ATEX, IECEx	In process II 2(1)G Ex emb [ia] IIB T3 Gb

Connections	
CAN bus	2
Sensors or Switches	30 sockets
Meter Pulse Counters	2
Serial Port for Printing	1
Delivery Overfill Amp.	3 for loading
Solenoid Valve Controls	10
Serial connection for configuration and FTL	1 (RS232)
Current Sensor Sockets	2
External RFID connection	1
Optic Socket	1 for loading
Switches	10 internal
12 Volt current supply Intrinsically safe	1
Connection for reading Tags	10 via API adapter 2 via vapour recovery or delivery swivel
Internal memory for dispatch list, loading schedule, configuration	2 - 16 GB

## Ordering Information and Related Products

Product Code	Description
PRID-unit	Product Identification Device unit
PRID Tag	Bottom-loading arm tag / underground storage tank tag
OFF Tag	Overfill Prevention tag

Optolevel® is a registered trademark of Optolevel Oy.  
Specifications are subject to change without notice.



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