

Simple, efficient level monitoring

IO-LINK SYSTEM MONITORS LEVELS IN STORAGE TANKS

Storage and dispensing applications for solids and liquids place particular demands on users. Foaming, inaccessible storage tanks and heterogeneous liquids are often a problem in level detection. To achieve uninterrupted production storage, tanks must always be sufficiently full but not be allowed to overflow, since any loss represents unnecessary costs. These tanks are frequently refilled manually by operators. The fact that the refill necessary intervals vary depending on the product is an additional problem.

Simple and efficient level monitoring from Balluff eliminates such uncertainties for good. We offer you an IO-Link system which monitors the level and continuously visualizes it for you. This intelligent solution makes diagnostics easier and increases equipment uptime.

Your advantages

- Continuously visualizes the current level
- Optimizes equipment uptime, so tank does not run dry or overflow
- Increases system efficiency
- Prevents material loss



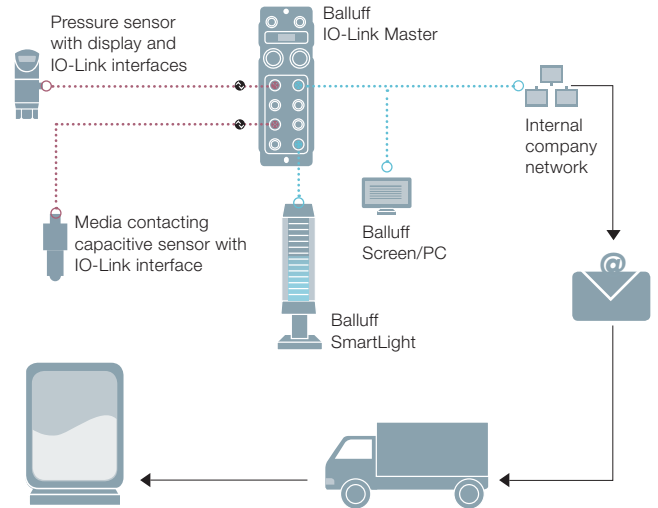
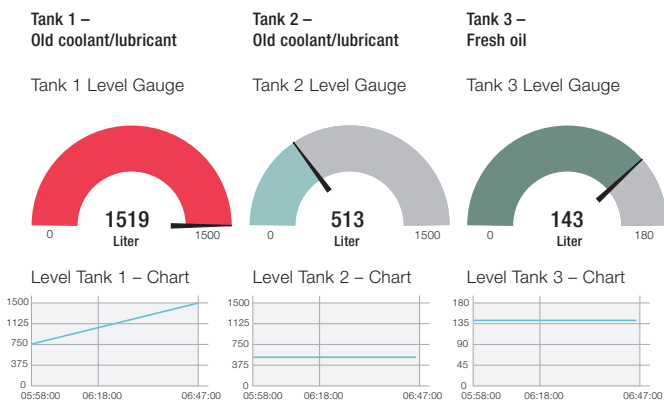
Storage tank fill level is continuously visualized.

The intelligent system

The simple and efficient level monitoring from Balluff is an IO-Link system which is made up of an IO-Link pressure sensor, a capacitive sensor with IO-Link, and intelligent SmartLight stack lights. The pressure sensor uses hydrostatic pressure to continuously measure the fill level. The capacitive sensor, which compensates for foam and residue, precisely detects the limit level for a full tank. The SmartLight LED tower gets all of its information from the sensors, continuously visualizing the level while also using the color of its display to indicate whether there is a need for action. For example, you can configure the SmartLight to flash red when the maximum level has been reached.

For additional efficiency you can link this system up to the IT level. The sensors use their IO-Link interface for communicating the detected level to the fieldbus block. Using the Ethernet TCP/IP protocol, you can then access the network master to pass the data to the IT level. This enables simple creation of a dashboard on which you can represent the levels.

You can even set up an automated communication sequence which tells the logistics partner when it is time to organize a new delivery.



Suitable Products



BNI0084
SmartLight
for visualization



BNI005H
Network modules with
IO-Link interface



BCC0370
IO-Link cable



BCS011E
Media contacting
capacitive sensor with
IO-Link interface



BSP00Y2
Pressure sensors
with display and
IO-Link interface

Balluff offers you a wide product range for level detection for your individual requirements. Levels can be both precisely detected and continuously monitored.

For additional products go to www.balluff.de/go/product-finder