

## IO Link Technology

Cost efficient sensors with diagnostic functions

**MÜLLER**  
INDUSTRIE - ELEKTRONIK GMBH

IO Link provides a cost-effective bi-directional point to point data transmission between sensor and control systems with additional sensor and transfer data (error, diagnostic, status messages) IoT benefits for improve maintenance, reconfiguration and reduced downtimes. Standard 3 wire cables connect to the Master IO link device which communicates through any Field Bus technology to the control system. IO sensors do not require expensive HART or IP features.

Müller IE extends different IO-Link compatible sensors for temperature, pressure, force and load cell applications. The complex control, diagnostic and monitoring functions optimize processes and create ideal conditions for Industry 4.0 applications in the machine and plant environment.

### Advantages

- real time diagnostics, predictive maintenance
- remote configuration and control of parameters
- easy sensor replacement without reconfiguration
- manipulation security with wire break detection



### IO Link devices for configuration and monitoring

#### **O-FLY WLAN Master**

The iO-Fly connects IO-Link capable sensors or actuators via WLAN or Bluetooth LE with Android or iPad tablets. The built-in rechargeable battery supplies the device and also the connected IO-Link device with power and thus ensures mobile working for more than three hours.



#### **IOT-KEY Cloud Solution**

More than 10.000 IO-Link sensors from over 200 manufacturers are detected automatically via Plug & Play. The sensor data is transferred to the cloud via radio (NB-IoT) without intervention in the IT infrastructure, regardless of location. The user can monitor and analyse data, be notified by e-mail and SMS and perform switching and control tasks.



#### **IO Transmitter**

Temperature and Universal IO-Link Transmitter with IO Link Interface

[Download PDF Müller IO Link Solutions](#)

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