



Turning analogue into digital

Smart signal monitoring with the IO-Link analogue converter

- Reliably monitors up to 2 analogue sensors
- Intelligent signal processing through addition/subtraction of the inputs
- Measured values scalable to physical units
- Provision via IO-Link, one analogue and two switching outputs
- Space-saving field installation directly on the machine reduces cabling



IP67



ifm – close to you!

Description	Order no.
IO-Link analogue converter with 2 inputs and 4 outputs	DP1204

Easy integration of analogue sensors into IO-Link systems

Analogue sensors provide important process values in industry, but often cannot be directly integrated into digital infrastructures. The DP1204 analogue signal monitor from ifm offers an efficient solution for this: It enables the simple integration of up to two analogue sensors (4...20 mA / 0...10 V) into IO-Link systems – also ideal for retrofitting in existing systems.

Flexibly adjustable for your application

The DP1204 offers various operating modes: Switching points can be assigned individually and measured values can be added or subtracted. The calculated value can be monitored and output as a 4...20 mA signal.

Besides, the analogue input signals can be scaled linearly to physical units (e.g. 4...20 mA to 50...2000 mm). The processed data is available via IO-Link, one analogue and two digital outputs. In addition, an analogue signal can be mirrored via the output.

Applications

Typical applications include differential pressure monitoring (e.g. filter condition, pump efficiency), level monitoring in pressurised containers or width measurement of moving objects using two distance sensors.

Fast installation saves time and money

The DP1204 has been designed for installation close to the field – directly on the machine, without a control cabinet. Its compact design and IP67 protection rating minimise wiring complexity, saving space, time and installation costs.

Technical data		
Operating voltage	[V]	18...30
Inputs		2x analogue (4...20 mA or 0...10 V)
Outputs		1x IO-Link 1x analogue (4...20 mA) 2x digital (PNP, max. 10 mA)
Protection rating		IP67

BEST FRIENDS



DN0220 switching amplifier
Reliably switches high direct and alternating currents



PA pressure transmitter
High repeatability and low characteristics deviation



OGD distance sensor
Time-of-flight measurement for measured values accurate to the millimetre



For further technical details, please visit:
ifm.com/fs/DP1204