



Check your drive

Programmable frequency-to-current converter

- Monitoring speeds and pulse sequences for overspeed and underspeed
- Frequency-proportional current or voltage output
- High input frequency of up to 600,000 pulses / minute
- Extensive and convenient parameter setting via IO-Link
- Easy-to-read OLED display for actual value indication and parameter setting



IP20



ifm – close to you!

Description	Order no.
Frequency-to-current converter	DW3003

Drive monitoring

In many industrial applications, drives and various other rotating machines are expected to run at a defined speed. When using external sensors on shafts or drive wheels, speed-dependent signals can be generated and analysed with the help of the depicted frequency-to-current converter. Damage to the drive, such as slipping or even broken V-belts, can be detected in good time by comparing setpoints and then indicated via a switching signal. At the same time, the device outputs a current or voltage signal which is proportional to the speed and can be transmitted to a higher-level controller or used for other control processes.

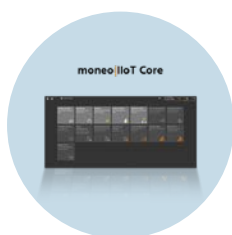
High-performance evaluation unit

The measured value can be transmitted digitally via IO-Link which also facilitates the extensive and convenient parameter setting options, such as scaling of the analogue output signals or the definition of switch points.

A particularly useful feature: the evaluation unit can be operated with both 24 V DC and 110...250 V AC. The unit provides 24 V DC to supply the sensors.

Technical data	
Input frequency	up to 600,000 pulses / minute
Input	1
Output	0...10 V, 4...20 mA, IO-Link, 2x switching output
Protection rating	IP20

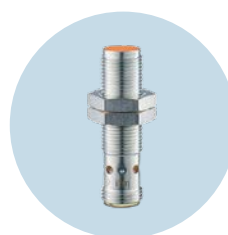
BEST FRIENDS



moneoIIoT Core
IIoT software for simple condition monitoring



IO-Link master
Field-compatible masters with Profinet interface



Inductive sensors
Detection of rotary movements on shafts and drive wheels



For further technical details, please visit:
ifm.com/fs/DW3003