



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!

Digital inputs	Digital outputs	Analogue outputs	Order no.
1	2	1 (0...10 V or 4...20 mA)	DW3003
1	2	–	DD3003
2	2	–	DD3005

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 DW3003 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

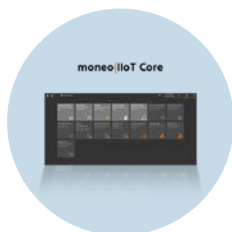
The measured value can be transmitted digitally via IO-Link which also facilitates the extensive and convenient parameter setting options, such as scaling of the analogue output signals or the definition of switch points.

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	
Operating voltage	24 V DC or 110...250 V AC
Input frequency	up to 600,000 pulses / minute
Digital interface	IO-Link
Protection rating	IP20

BEST FRIENDS

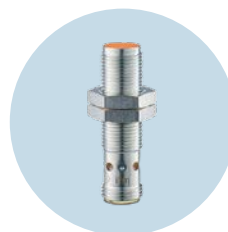
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moneoIIoT Core
IIoT software for simple
condition monitoring



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