QZ9100

**Hardware package for the simple starting and testing
of a condition monitoring application**

moneo Starterkit

sold only in combination with license package QM9101

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Application	
Application	Condition monitoring on motors of fans, pumps and other simple machines
Content description	matching components incl. wiring, power supply and wifi connection
	with vibration sensors, speed sensor, temperatur sensor, IO-Link master (4-way)
	incl. hardware as the central point for data collection and processing
Compatibility	Can be integrated into company IT infrastructure and scaled at any time without special knowledge
Data management	winding temperature on the motor
	speed measurement
	effective value of vibration velocity (vRMS)
	effective value of acceleration (a-RMS)
	ratio of the maximum value to the effective value of acceleration (crest factor)
	maximum value of acceleration (a-Peak)

Outputs	
Number of video outputs	2; (DisplayPort)

Software / programming	
Language	German; English; French; Italian; Spanish; Portuguese; Chinese; Japanese; Korean; Russian
Operating system	Debian Linux 10

System requirements	
Web browser	Google Chrome; Mozilla Firefox; (supported versions: see current release notes)

Interfaces	
Communication interface	Ethernet; USB
Number of Ethernet interfaces	2; (GBit)
Number of USB interfaces	4; (3 x USB 3.0; 1 x USB 2.0 Type A)

Operating conditions		
Ambient temperature	[°C]	0...70
Storage temperature	[°C]	-20...60
Max. relative air humidity	[%]	95; (40 °C non condensing)
Protection		IP 40

Tests / approvals		
Shock resistance	IEC60068-2-27	50 g 11 ms
Vibration resistance	IEC 60068-2-6	4 Grms / 5...500 Hz

Mechanical data		
Weight	[g]	8670
Dimensions	[mm]	35 x 105 x 150

Hardware	
Processor	Intel Atom E3940 Quad Core
TPM chip	V 2.0
BIOS	AMI UEFI (128 Mbit)
Working memory	8 GB
Mass storage	256 GB SSD

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Accessories	
Items supplied	moneo appliance; 1 x 35x 105 x150, moneo pre-installed, QHA210
	WIFI access point; 1 x Ø 68 / L = 74, ZB0878
	Vibration sensor; 2 x Ø 22 / L = 63,5, VVB001
	Switched-mode power supply 24 V DC; 1 x 124 x 40 x 122,5, DN4011
	Temperature cable sensor with bolt-on sensor; 1 x 12 x 8,7 x 51, TS2229
	Measured signal converter for temperature sensors; 1 x 52 x 25 x 18, TP3231
	IO-Link master with IoT interface; 1 x 152 x 59,3 x 38,4, AL1350
	Speed monitor; 1 x M12 x 1 / L = 60, DI5028
	Ethernet connection cable; 1 x 2 m, E12090
	Ethernet connection cable; 1 x 2 m, EC2080
	Connection cable; 3 x 2 m, EVC013
	Connection cable; 1 x 0,3 m, EVC010
	Female cordset; 1 x 2 m, EVC001

Remarks	
Notes	sold only in combination with license package QM9101
Pack quantity	1 pcs.