

QZ9100



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

moneo Starterkit

sold only in combination with licence package QM9101



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



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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
	Connecting cable with socket; 1 x 2 m, EVC001

Remarks

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