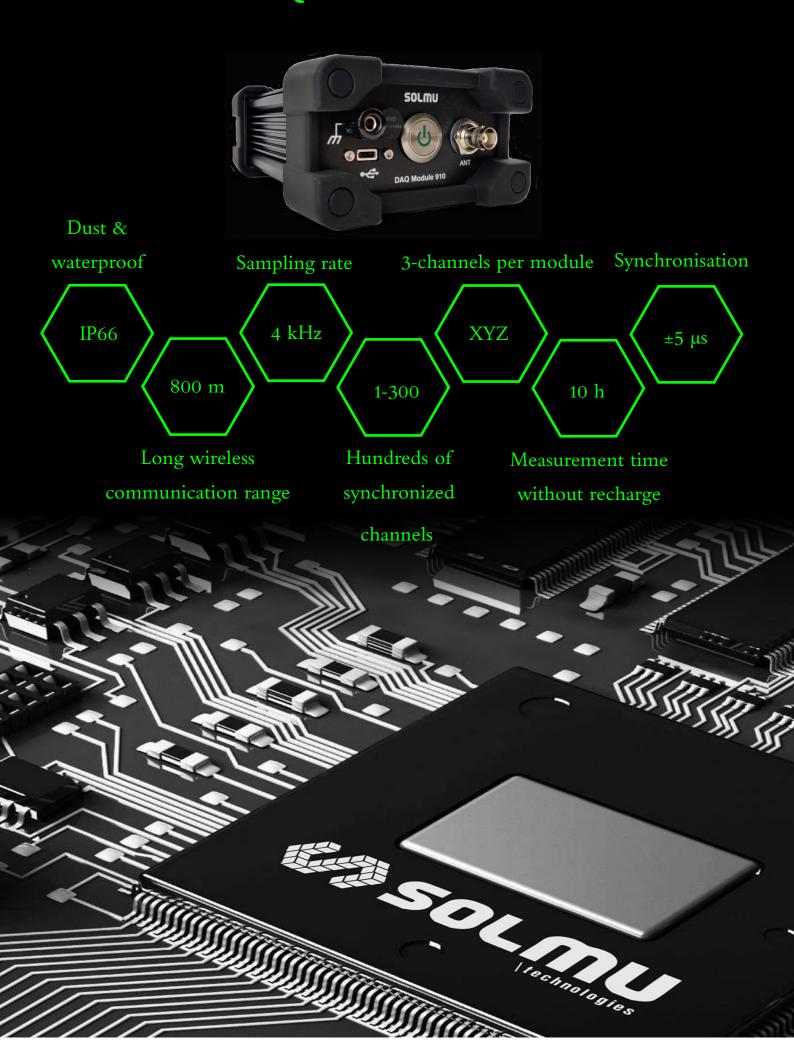
# DAQ MODULE 910



## **OPERATION**

Wireless data acquistion system is an easy-touse entity to be used with an external vibration/shock IEPE-sensor. The measurement set can consist of 1-100 DAQ Modules, DAQ Gateway and DAQ Manager. To set up Solmu Wireless DAQ system, all you need to is to follow these four simple steps:

- 1) Power the Gateway and turn on Modules.
- 2) Make a WLAN connection from a pad/smart phone/laptop to the Gateway.
- 3) Start the Manager software by opening a browser and typing address 192.168.7.1
- 4) Start a measurement from the Manager software.

#### **CHARACTERISTICS**

Sampling rate	4 kHz	
Passband frequency (3 dB) per channel	0.08 Hz - 2310 Hz	
Battery duration	10 h (active measurement)	
Synchronisation accuracy	±5 μs	
Storage	8 GB	
Data output format	CSV, UFF, UFF binary, TDMS	
Data output unit	g (m/s <sup>2</sup> )	
Ingress protection	IP66	
Operation temperature range	-20°C — +55°C	
IEPE excitation current	2.1 mA	
IEPE voltage	25 V	
ADC resolution	32 bits	
Radio	868 MHz, 2-GFSK, 50 kbps	
Power supply	3.6 V lithium-ion 18650 rechageable battery	
Casing	Rugged aluminium case with neopren pads	

### **DIMENSIONS & WEIGHT**



Weight = 922 g

#### **CERTIFICATIONS**

	Standard	Standard reference
	Radiated emission, 30 MHz - 6 GHz	EN 55032
	Limits for harmonic current emissions	EN 61000-3-2
	Limitation of voltage changes, fluctuations and flicker	EN 61000-3-3
EMC	ESD (Air +/- 8 kV and contact +/- 4 kV)	EN 61000-4-2
	Radiated RF field (80 - 6000 MHz, 3V/m)	EN 61000-4-3
	RF common mode (150 kHz - 80 MHz, 3V) AC port	EN 61000-4-6
	Conducted emissions (150 kHz - 30 MHz) AC port	EN 55032
Safety	Safety of electrical and electronic equipment within the	IEC 62368-1
	field information and communication technology with a	IEC 62133-1
	rated voltage not exceeding 600 V. (pending)	
Hazardous substances	Restriction of Hazardous Substances (RoHS)	2011/65/EU
RF exposure	Assessment of the compliance of electronic and electrical	EN 62479-2010
	equipment with restrictions related to human exposure to	
	electromagnetic fields (10 MHz - 300 GHz)	
RF	RF radiation	EN300 220-1 V3.1.1
		EN300 220-2 V3.1.1



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