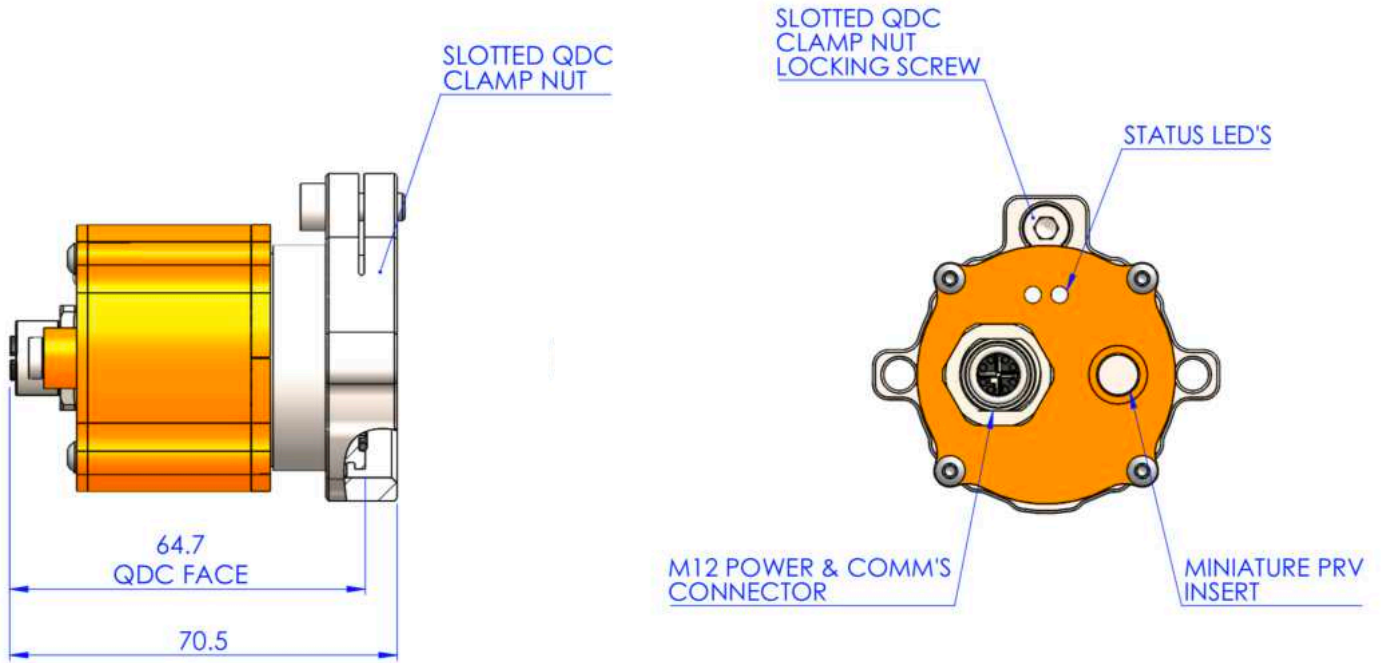


Q-Daq Specifications		
Number of channels	16	
Data output.	Ethernet (TCP/IP, UDP and IENA)	
System accuracy* (Range = 55 kPa / 8 psi)	± 0.1% Full Scale	
System accuracy* (Range = 35 kPa / 5 psi)	± 0.1% Full Scale	
System accuracy* (Range = 17 kPa / 2.5 psi)	± 0.2% Full Scale	
System accuracy* (Range = 7 kPa / 1 psi))	± 0.5% Full Scale	
System accuracy* (absolute measurement)	± 0.04% Full Scale	
Resolution	16 bit or ±range / 65536	
Absolute range	15,000 Pa to 115,000 Pa (2.2 psia to 16.8 psia)	
Optional extended absolute range	13,000 Pa to 160,000 Pa (1.89 psia to 23.2 psia)	
Proof pressure	50 psig (64.5 psia)	
16 Channel dimensions (width x depth x height in mm)	59.4 x 27 x 9 excluding tubulations	
Weight (excluding mating SQDC)	340g	
Enclosure sealing	IP67	
Maximum acquisition Speed (measurements / channel / second).	180	
Power supply	PoE IEEE 802.3at	
System resolution	16 Bit	
Ethernet specification	Auto-negotiating 100Mbit TCP/IP or UDP (user configurable)	
Time stamping	IEEE 1588 PTPv2	
Time stamping resolution	1µS	
Mating connector	M12 X-Coded TE2232331-1	
Pneumatic connections : SQDC Interface - available mating halves:		
	SQDC-R-16-20	1/16" complete with Gyrolok® double ferrule and compression nuts for solid tube
	SQDC-R-16-30	1mm bulged tubulation for flexible tubing
	SQDC-R-16-40	1.5mm bulged tubulation for flexible tubing
	SQDC-R-16-50	Blank (mates with removable half), stainless steel, all ports sealed
	SQDC-R-16-60	Plastic cap
	SQDC-R-16-70	0.040" (1mm) double ferrule and compression nut for solid tube
	SQDC-R-16-D	Bulkhead to bulkhead connector
* Accuracy figure includes nonlinearity, hysteresis, non-repeatability and thermal gain error over the full operating temperature range.		





Q-Daq Environmental Specifications

Ambient altitude	100 mbar abs or nominally 52000 ft
Vibration	Engine standard vibration test to DO160E category S, curve W with duration of 1 hr/axis. Fan blade out case to DO160E category S, curve P. Fan blade out to DO160F section 7 (40g 11m/s) Engine load to +/- 40g per axis
Operating temperature range	-55 to+100°C
Storage temperature range	-55 to+100°C
Maximum relative humidity	95% at 50°C (non-condensing)
Radiated emissions	MIL standard 461-E: RE102
Conducted emissions	MIL standard 461-E/MIL standard 461-C



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