

DynamiQ-S gas analyzer



- Composition analysis by micro gas chromatography
- Designed for continuous monitoring & system integration
- Compact and OEM configurable up to 4 GC ovens
- Fast and accurate
- Low consumption and easy maintenance
- 3-stream selector integrated
- Calculations included, e.g., ISO6976-2016
- Automatic sequence programming, autocalibration

DynamiQ-S specifications

Operating temperature	5 ... 55 °C / 41 ... 131 °F
Storage temperature	-20 ... 60 °C / -4 ... 140 °F
Moisture	5 ... 95 %
Power supply	20 ... 28 VDC
Power consumption	75 W max
Dimensions	250 x 182 x 96 mm / 9.8 x 7.2 x 3.8 "
Weight	< 8 kg / 17.6 lb.
Gas ports	1/16" VICI
Carrier gas	He, Ar, N ₂ , or H ₂
Carrier gas input pressure	450 ± 5% kPa
Carrier gas consumption	2-5 ml/min per GC channel
Sampling	Pressurized or atmospheric (integrated pump)
Sample pressure	10 ... 200 kPa
Sample streams	3 (optional more)
Detectors	Foreflush and backflush micro TCD
Detection limit	500 ppb ... 100% (application dependent)
Cycle time	15 ... 60 s (typical)
Repeatability	<0.05 % RSD (typical)
Communications supported	Digital I/O, RS232, RS485, Ethernet
Protocols supported	Modbus / TCP
Memory storage	Up to 256 GB
Conducted emission, test with a LISN	EN 55011 (2009) + A1 (2010)
Radiated emission up to 1 GHz (SAC)	EN 55011 (2009) + A1 (2010)
ESD	EN-IEC 61000-4-2 (2009)
Radiated Immunity	EN-IEC 61000-4-3 (2006) + A1 (2008) + A2 (2010)
EFT	EN-IEC 61000-4-4 (2012)
Surge	EN-IEC 61000-4-5 (2014)
Conducted Immunity	EN-IEC 61000-4-6 (2014)
Power frequency magnetic field	EN-IEC 61000-4-8 (2010)