

DynamiQ-R gas analyzer



- Composition analysis by micro gas chromatography
- Designed for continuous monitoring in 19" racks
- Custom space and 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-R specifications

Operating temperature	5 ... 55 °C / 41 ... 131 °F
Storage temperature	-20 ... 60 °C / -4 ... 140 °F
Moisture	5 ... 95 %
Power supply	110 ... 240 VDC
Power consumption	150 W max
Dimensions	440 x 483 x 172 mm / 17.3 x 19.0 x 6.8 "
Weight	< 20 kg / 44 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)
Harmonics & Flicker	EN-IEC 61000-3-2 (2014) & EN-IEC 61000-3-3 (2013)
ESD	EN-IEC 61000-4-2 (2009)
Radiated Immunity	EN-IEC 61000-4-3 (2006) + A1 (2008) + A2 (2010)
EFT & Surge	EN-IEC 61000-4-4 (2012) & EN-IEC 61000-4-5 (2014)
Conducted Immunity	EN-IEC 61000-4-6 (2014)
Power frequency magnetic field	EN-IEC 61000-4-8 (2010)
Voltage dips and interruptions	EN-IEC 61000-4-11 (2014) + A1 (2017)