DynamiQ-X gas analyzer

- Composition analysis by micro gas chromatography
- Ex certified; designed for continuous monitoring
- Compact and configurable up to 4 GC ovens
- Fast and accurate
- Low consumption and easy maintenance
- 3-stream selector integrated
- Calculations included, e.g., ISO6976-2015
- Automatic sequence programming, autocalibration

DynamiQ-X specifications

Operating temperature	-20 … 55 ˚C / -4 .. 131 ˚F
Storage temperature	-20 … 60 ˚C / -4 .. 140 ˚F
Moisture	5 … 95 %
Dust/water protection	IP65 (only valid with receptacle cap/mating connections)
Power supply	20 … 28 VDC
Power consumption	75 W max
Dimensions	289 x 258 x 122 mm / 11.4 x 10.2 x 4.8 “
Weight	< 15 kg / 33 lb. (without mounting brackets)
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
Certifications	CE ATEX/IECEx Ex II 2G Ex db IIB+H_2 T4 Gb; (Class1 Zone1)
Explosive atmospheres - Part 0	EN 60079-0 (2012) + A11:2013
Explosive atmospheres - Part 1: protection “d”	EN 60079-1 (2014)
Conducted & radiated emission (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 & 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)

Qmicro B.V.
Institutenweg 25
7521PH Enschede
The Netherlands

Phone: +31 88 6760700
Fax: +31 88 6760701
Web: www.qmicro.com
E-mail: info@qmicro.com