

## 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
- 4-stream selector integrated
- Calculations included, e.g., ISO6976-2016
- Automatic sequence programming, autocalibration

### DynamiQ-X specifications

<b>Operating temperature</b>	-20 ... 55 °C / -4 .. 131 °F
<b>Storage temperature</b>	-20 ... 60 °C / -4 .. 140 °F
<b>Moisture</b>	5 ... 95 %
<b>Dust/water protection</b>	IP65 (only valid with receptacle cap/mating connections)
<b>Power supply</b>	20 ... 28 VDC
<b>Power consumption</b>	75 W max
<b>Dimensions</b>	289 x 258 x 122 mm / 11.4 x 10.2 x 4.8 "
<b>Weight</b>	< 15 kg / 33 lb. (without mounting brackets)
<b>Gas ports</b>	1/16" VICI
<b>Carrier gas</b>	He, Ar, N <sub>2</sub> , or H <sub>2</sub>
<b>Carrier gas input pressure</b>	450 ± 5% kPa
<b>Carrier gas consumption</b>	2-5 ml/min per GC channel
<b>Sampling</b>	Pressurized or atmospheric (integrated pump)
<b>Sample pressure</b>	10 ... 200 kPa
<b>Sample streams</b>	4 (optional more)
<b>Detectors</b>	Foreflush and backflush micro TCD
<b>Detection limit</b>	500 ppb ... 100% (application dependent)
<b>Cycle time</b>	15 ... 60 s (typical)
<b>Repeatability</b>	<0.05 % RSD (typical)
<b>Communications supported</b>	Digital I/O, RS232, RS485, Ethernet
<b>Protocols supported</b>	Modbus / TCP
<b>Memory storage</b>	Up to 256 GB
<b>Certifications</b>	CE ATEX/IECEx II 2G Ex db IIB+H <sub>2</sub> T4 Gb; (Class1 Zone1)
<b>Explosive atmospheres - Part 0</b>	EN 60079-0 (2012) + A11:2013
<b>Explosive atmospheres - Part 1: protection "d"</b>	EN 60079-1 (2014)
<b>Conducted &amp; radiated emission (to 1 GHz SAC)</b>	EN 55011 (2009) + A1 (2010)
<b>ESD</b>	EN-IEC 61000-4-2 (2009)
<b>Radiated Immunity</b>	EN-IEC 61000-4-3 (2006) + A1 (2008) + A2 (2010)
<b>EFT &amp; Surge</b>	EN-IEC 61000-4-4 (2012) & EN-IEC 61000-4-5 (2014)
<b>Conducted Immunity</b>	EN-IEC 61000-4-6 (2014)
<b>Power frequency magnetic field</b>	EN-IEC 61000-4-8 (2010)