



PrismaPlus[®] QMG 220 F1, 1-100 amu

This modularly designed compact mass spectrometer can be optimally adapted to your application



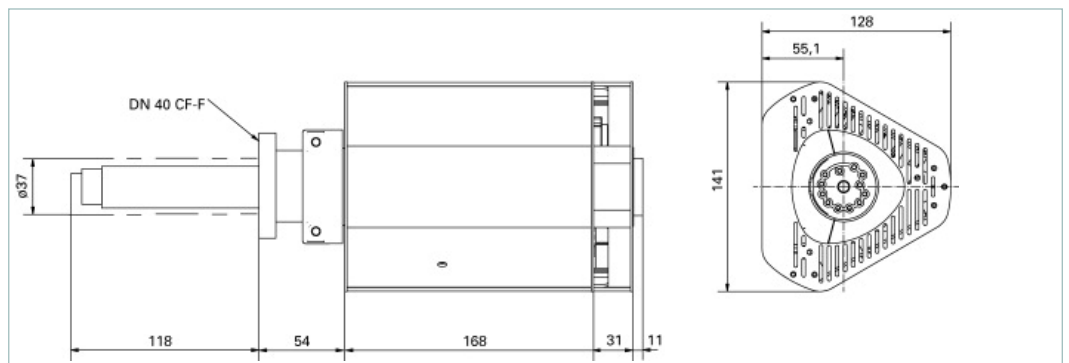


Similar Image

QMG 220 F1, PrismaPlus®, 1-100 amu, open ion source, Y, 200 °C, 0°, IO 220 module

- PrismaPlus® compact mass spectrometer
- Quadera software for Windows XP Professional and Vista Ultimate
- Leak detection and residual gas analysis routines launched by a simple mouse-click
- Determination of gas concentrations by means of integrated matrix calculation
- Lowest detectable partial pressure: $1 \cdot 10^{-12}$ hPa
- Ethernet networking
- Analog and digital inputs and outputs
- Connectable to a Pfeiffer Vacuum total pressure gauge

Dimensions



| Technical Data | | QMG 220 F1, PrismaPlus®, 1-100 amu, open ion source, Y, 200 °C, 0°, IO 220 module |
|--|--|---|
| Bakeout temperature: analyzer | | 200 °C 392 °F 473 K |
| Connection | | 0° |
| Connection, total pressure transmitter | | Connection for one ActiveLine- and DigiLine- gauge |
| Contribution to neighboring mass: 40 to 41 | | < 10 ppm |
| Detection limit | | 1 · 10 ⁻¹² hPa 7.5 · 10 ⁻¹³ Torr 1 · 10 ⁻¹² mbar |
| Detector | | Faraday |
| EMC | | EN 61326-1 |
| Filament | | Yttriated iridium |
| Flange (in) | | DN 40 CF-F |
| Input: Analog | | 5 x ± 10 V / 14 Bit |
| Input: Digital | | 4 + EXT_PROTECTION, 24 V |
| Interfaces | | Ethernet |
| Ion source | | Open, 2 filaments |
| Mass range | | 1-100 amu |
| Measuring channels | | 128 pieces |
| Mounting orientation | | Any |
| Operating pressure max. | | 1 · 10 ⁻⁴ hPa 7.5 · 10 ⁻⁵ Torr 1 · 10 ⁻⁴ mbar |
| Operating temperature: analyzer | | 150 °C 302 °F 423 K |
| Operating temperature: electronics | | 0-40 °C 32-104 °F 273-313 K |
| Output: Analog | | 4 x 0-10 V / 12 Bit |
| Output: Digital | | 16 x Sink, optical insulated, 24 V |
| Peak ratio reproducibility | | ± 0.5 % |
| Resolution, adjustable at 10 % peak height | | 0.5 - 2.5 amu |
| Rod system: Diameter | | 6 mm 0.24 inch |
| Rod system: Length | | 100 mm 3.94 inch |
| Safety | | EN 61010-1 / IEC 1010 |
| Scan speed: MID | | 2 ms - 60 s/amu |
| Scan speed: scan analog | | 20 ms - 60 s/amu |
| Scan speed: scan bargraph | | 20 ms - 60 s/amu |
| Sensitivity for Ar | | 1 · 10 ⁻³ A/hPa |
| Supply: Voltage | | 90-260 V AC |
| Temperature: Storage | | -25-70 °C -13-158 °F 248-343 K |
| Weight | | 2.6 kg 5.73 lb |

| Order number | |
|-----------------------------------|----------------|
| PrismaPlus® QMG 220 F1, 1-100 amu | PT M05 112 111 |