



PFEIFFER 

PrismaPro® QMG 250 M2

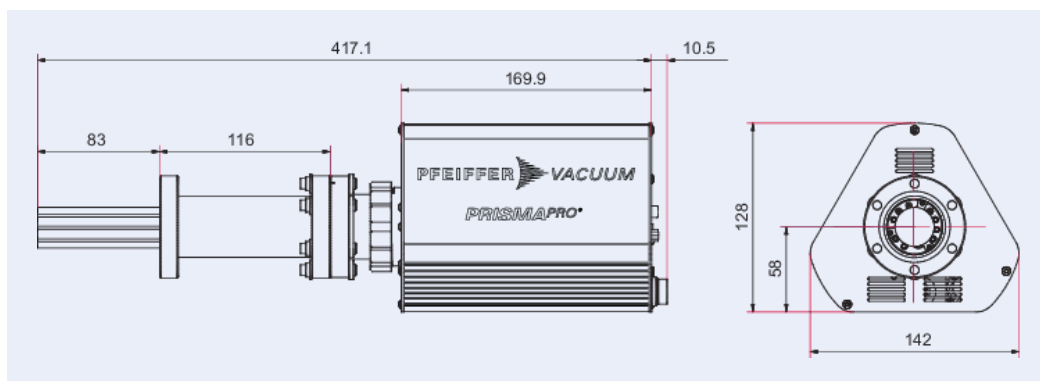


Illustration only

PrismaPro® QMG 250 M2, 1 - 200 u, open ion source, yttriated iridium, I/O-option: Extended

- Pfeiffer MassSpec software for Windows 11 & 10 for recording, saving and displaying measured data
- Leak detection and vacuum diagnosis with a click
- Simple definition of measurement recipes
- Low detection limit

Dimensions



PrismaPro® QMG 250 M2

Technical Data	PrismaPro® QMG 250 M2, 1 – 200 u, open ion source, yttriated iridium, I/O-option: Extended
Ambient temperature: electronics	5 – 50 °C
Input: Analog	1 x ± 10 V / 12 Bit 8 x ± 10 V / 16 Bit
Connection for gauge	Connection for an ActiveLine or DigiLine gauge with analog relay option
Ion source	Open, 2 filaments
Sensitivity for Ar: Faraday	$4 \cdot 10^{-4}$ A/hPa
I/O interfaces	Ethernet
Interface: Connection, device side	Extended interface, D-Sub, 15 pins, female; HD D-Sub, 62 pins, female
Mass range	1 – 200 u
Mounting orientation	Arbitrary
Temperature: Storage, max	70 °C
Temperature: Storage, min	-25 °C
Measuring speed	1 ms/u - 16 s/u
Input voltage(s)	100 – 240 V AC, 50/60 Hz
Detection limit min.: C-SEM (hPa)	$4 \cdot 10^{-15}$ hPa $3 \cdot 10^{-15}$ Torr $4 \cdot 10^{-15}$ mbar
Peak ratio reproducibility	0.5 %
Contribution to neighboring mass: 40 to 41	20 ppm
Operating pressure max.: Faraday	$5 \cdot 10^{-4}$ hPa $3.75 \cdot 10^{-4}$ Torr $5 \cdot 10^{-4}$ mbar
Bakeout temperature: analyzer	300 °C 572 °F 573.2 K
Operating pressure max.: SEM	$5 \cdot 10^{-5}$ hPa $3.75 \cdot 10^{-5}$ Torr $5 \cdot 10^{-5}$ mbar
Ambient temperature: analyzer	150 °C 302 °F 423.15 K
Rod system: Length	125 mm 4.92 inch
Rod system: Diameter	6 mm 0.24 inch
Operating pressure max.: Faraday	$5 \cdot 10^{-4}$ hPa
Output: Digital	10 x 24 V
Output: Analog	8 x 0 – 10 V / 16 bit
Resolution, adjustable at 10 % peak height	0.5 – 2.5 u
Detector	C-SEM Faraday
Operating pressure max.: SEM	$5 \cdot 10^{-5}$ hPa
Input: Digital	7 x 24 V
Weight	3.2 kg
Rod system: Diameter	6 mm
Relay: Number	1 pcs.
Filament	Iridium coated with Y_2O_3

PrismaPro® QMG 250 M2

Connection flange (in)	DN 40 CF-F
Order number	PrismaPro® QMG 250 M2, 1 – 200 u, open ion source, yttriated iridium, I/O-option: Extended
PrismaPro® QMG 250 M2, 1 – 200 u, open ion source, yttriated iridium, I/O-option: Extended	2000007343



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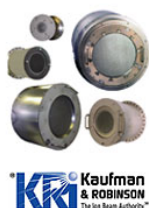
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