



**PrismaPro<sup>®</sup> QMG 250 M1, 1 – 100  
u, open ion source, yttriated  
iridium, I/O-option: Standard**

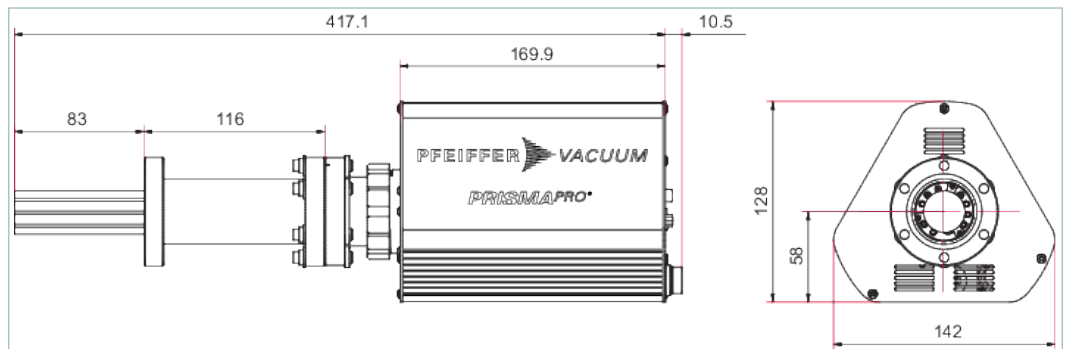


Similar Image

## PrismaPro® QMG 250 M1, 1 – 100 u, open ion source, yttriated iridium, I/O-option: Standard

- PV MassSpec software for Windows 10, 8.1 & 7 for recording, saving and displaying measured data
- Leak detection and vacuum diagnosis with a click
- Easy definition of measurement recipes
- Low detection limit

### Dimensions



Technical Data	PrismaPro® QMG 250 M1, 1 – 100 u, open ion source, yttriated iridium, I/O-option: Standard
Ambient temperature: analyzer	150 °C   302 °F   423 K
Bakeout temperature: analyzer	300 °C   572 °F   573 K
Connection	0°
Connection flange (in)	DN 40 CF-F
Contribution to neighboring mass: 40 to 41	10 ppm
Detection limit min.: C-SEM (hPa)	$3 \cdot 10^{-15}$ hPa   $2.25 \cdot 10^{-15}$ Torr   $3 \cdot 10^{-15}$ mbar
Detector	C-SEM/Faraday
Filament	Iridium coated with $Y_2O_3$
I/O interfaces	Standard interface
Input: Analog	$1x \pm 10$ V / 12 Bit
Input: Digital	2x, 24 V
Ion source	Open, 2 filaments
Mass range	1 – 100 u
Measuring speed	1 ms/u - 16 s/u
Mounting orientation	Arbitrary
Operating pressure max.: C-SEM	$5 \cdot 10^{-5}$ hPa   $3.75 \cdot 10^{-5}$ Torr   $5 \cdot 10^{-5}$ mbar
Operating pressure max.: Faraday	$5 \cdot 10^{-4}$ hPa   $3.75 \cdot 10^{-4}$ Torr   $5 \cdot 10^{-4}$ mbar
Operating pressure max.: SEM	$5 \cdot 10^{-5}$ hPa   $3.75 \cdot 10^{-5}$ Torr   $5 \cdot 10^{-5}$ mbar
Peak ratio reproducibility	0.5 %
Relay: Number	1 Pcs.
Resolution, adjustable at 10 % peak height	0.5 – 2.5 u
Rod system: Diameter	6 mm   0.24 inch
Rod system: Length	125 mm   4.92 inch
Sensitivity for Ar: Faraday	$5 \cdot 10^{-4}$ A/hPa
Supply: Voltage V AC	100 – 240 V AC
Weight	3.2 kg   7.05 lb

### Order number

PrismaPro® QMG 250 M1

**PT M16 112 210**

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