

# Quantus® LP100+ Gas Analyzer

## Applications

The INFICON Quantus LP100+ Gas Analyzer provides real-time leak and endpoint detection for critical process environments. It is designed to instantly react to small changes in sensitive process environments so that scrap is minimized and yields are improved.

## Advantages

- Convenient field-replaceable plasma cell
- Easy installation using a standard KF25 connection
- Low maintenance
- Excellent detection limits down to low ppm levels
- Operating range of 10 mTorr to 1 Torr
- Long-term reliability: no pumps required
- Low cost of ownership
- Fast sampling (10 Hz maximum)
- Small footprint (H x W x L): 87 x 150 x 241 mm (3.4 x 5.9 x 9.5 in.)
- Support by experienced field-trained INFICON engineers



## Specifications

Performance	
Technology	Optical Emission Spectroscopy using proprietary and integrated ICP microplasma, spectrometer, and RF power supply
Spectrometer performance	200–850 nm wavelengths (UV-VIS) 16-bit full-scale resolution, 3648 pixels
Exposure time	Minimum of 1 ms
Sampling frequency	Maximum of 10 Hz
Detection limit	To low ppm levels (application dependent)
Gas Sampling Interface	
Operating pressure <sup>1)</sup>	10 mTorr to 1 Torr (application dependent)
Vacuum fitting	KF25
Maximum flange temperature	80°C
Serviceability	Sensor cell is field replaceable
Facilities	
Operating temperature range	0–50°C (non-condensing, sensor cell 80°C)
Power requirements	24 V (DC) @ 2.5 A (AC/DC converter available)
Isolation valve	Optional
Approximate Dimensions and Weight	
Dimensions (H x W x L)	87 x 150 x 241 mm (3.4 x 5.9 x 9.5 in.)
Weight	2.7 kg (5.9 lb.)

<sup>1)</sup> Specified operating pressure range is for argon. Other gases may have a more restricted operating pressure range.

## Dimensions

