

# Quantus<sup>®</sup> 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

| <b>Performance</b>                       |   |
|--|---|
| 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)   |
| <b>Gas Sampling Interface</b>            |   |
| 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  |
| <b>Facilities</b>                        |   |
| 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  |
| <b>Approximate Dimensions and Weight</b> |   |
| 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

