

# Purge Monitors

## MasterPurge 1

The MasterPurge 1 Oxygen Monitor incorporates a maintenance-free ceramic sensor, which can accurately display oxygen levels as small as 1 ppm (part per million).

High specification welds are now commonplace in the pharmaceutical, dairy, aerospace, petrochemical and many other industries. This oxygen monitor enables welders to more accurately recognise when extremely low rest oxygen atmospheres in the weld environment are reached.



### Features:

- Robust zirconium cell
- 0 - 999 ppm measurement range
- Low maintenance
- Complete with carrycase



### Technical Data:

Measuring range:	0 - 999 ppm O <sub>2</sub>
Temperature operating range:	0°C - 45°C
Accuracy:	+/- 0.3 mV Sensor EMF
Sensor warm-up time:	Approx. 90 Seconds
Stabilisation time:	15-20 Minutes
Response time:	Approx. 2 Seconds for variations
Dimensions (L x W x H):	225mm x 210mm x 140mm
Required voltage:	Multi Range 100 - 240 Volt AC
Warm-up load:	Approx. 200 VA
Normal load:	Approx. 40 VA
Measuring chamber Temp:	Approx. 700°C
Gas temperature:	Max. 50°C
Gas flow:	Approx. 50 l/h (1.8 ft <sup>3</sup> /h)
Moisture content:	Zero - Moisture must be separated out