

PPM

PIPE PURGE MASTERS

DECEMBER 2022

HANDY PURGE 100SC





HANDY PURGE 100 SELF CALIBRATING WELD PURGE MONITOR

Measures oxygen levels down to 0.01% (100ppm)

SELF CALIBRATING

The entry level, welders' toolbox monitor

Inert gas welding requires the exclusion of oxygen from the weld zone during the welding process. Prior to the welding process, the residual oxygen concentration must be reduced to a required minimum. The Handy Purge 100 is specifically designed to indicate oxygen concentration up to 0.01% and to exactly measure oxygen concentration up to 0.1%. Within this range, it is absolutely safe to weld and produce an oxygen-free weld seam (exceptions include special metals such as titanium, zirconium, etc.).

The Handy Purge 100 can be used both for continuous monitoring during the welding process and for taking samples. Routine inspections for quality control are extremely simplified using this device. The analyser works with all purge systems and argon welding systems. It is small, easy to handle and has a rugged enclosure.

Features and advantages

- Self calibrating
- Minimum waiting time. The device indicates exactly when the residual oxygen concentration of a purge gas is low enough to start welding.
- Reduced purge gas consumption. Exact monitoring of the residual oxygen avoids unnecessary purge gas consumption and allows producing oxygen-free weld seams
- Top-quality weld seams
- Top quality is guaranteed, as too early welding and hence porous, coloured or even charred weld seams can be avoided
- Duplex / stainless steel. The Handy Purge 100 can be used for all stainless steel, duplex and certain titanium welding applications
- Eliminates guess work



NEW AND IMPROVED



Plastic carry case box (HP100SCP7)



Replacement sensor (HP100SCS)

The kit consists of:

- Handy Purge 100 Monitor
- 1 m hose with flow adapter
- Stainless steel probe
- Vacuum hand pump
- Plastic carry case
- Instructions
- Calibration certificate

Technical specification

DESCRIPTION	MEASUREMENTS
Part Number	HP100SC
Measuring range	0.01 % - 20.9 % Oxygen (O ₂) (100ppm - 209,000ppm)
Accuracy	at 20% ± 0.2% at 2% ± 0.02%
Dimensions	6" x 3" x 1" / 155 x 81 x 38 mm
Power source	Battery type PP3 9V
Display	LCD (Liquid Crystal Display)
Weight	0.5 lbs. / 0.20 kg
SHIPPING WEIGHTS AND DIMENSIONS	
Dimensions	9.05" x 7.48" x 1.96" / 230 x 190 x 50 mm
Weight	1.5 lbs. / 0.60 kg



www.PURGEMASTERS.com



SPECIALIZED FABRICATION EQUIPMENT GROUP

Global Locations:



UNITED STATES HEAD OFFICE - HOUSTON

SPECIALIZED FABRICATION EQUIPMENT GROUP

4433 South Drive,
Houston,
Texas 77053, USA

Tel: +1 713 747 8502

E-mail: sales@sfe-brands.com

INTERNATIONAL HEAD OFFICE - FRANCE

SPECIALIZED FABRICATION EQUIPMENT GROUP

330B Route de Portes Les Valence,
ZI les Bosses,
26800 Etoile-sur-Rhône, France

Tel: + 33 (0) 475 575 070

E-mail: sales-int@sfe-brands.com

SFE UNITED KINGDOM

SPECIALIZED FABRICATION EQUIPMENT GROUP

Unit 15 & 16 Grendon Industrial Estate,
Grendon Underwood, Aylesbury,
Buckinghamshire, HP18 0QX England

Tel: +44 (0)1869 324 144

E-mail: sales-uk@sfe-brands.com

SFE GERMANY

SPECIALIZED FABRICATION EQUIPMENT GROUP

Ostmarkstrasse 15,
76437 Rastatt,
Germany

Tel: +49 (0)7222 9355100

E-mail: sales-germany@sfe-brands.com

SFE KINGDOM OF SAUDI ARABIA

SPECIALIZED FABRICATION EQUIPMENT GROUP

Warehouse No: EM16-10, Air Base Determinant,
Industrial supply scheme, Ash Shulah, Dammam
34264, Saudi Arabia

Tel: + 966 50 515 8196

E-mail: sales-ksa@sfe-brands.com

SFE MIDDLE EAST

SPECIALIZED FABRICATION EQUIPMENT GROUP

Shams Freezone
Sharjah

United Arab Emirates

Tel: +971 (0)50 217 1376

E-mail: sales-me@sfe-brands.com

SFE INDIA

SPECIALIZED FABRICATION EQUIPMENT GROUP

Plot No. PAP 3, D 3 Block,
Chinchwad, Pune 411 019

Mob: +91 90 1102 4332

Mob: +91 95 5258 4361

E-mail: sales-india@sfe-brands.com

SFE LATIN AMERICA

SPECIALIZED FABRICATION EQUIPMENT GROUP

4433 South Drive,
Houston,
Texas 77053, USA

Tel: +1 713 747 8502

E-mail: sales-latam@sfe-brands.com

SFE SOUTH KOREA

SPECIALIZED FABRICATION EQUIPMENT GROUP

102 - 1301 Bucheon Technopark III
421 - 742 Gyeonggi-do-seoul, Taehan-min'guk
South Korea

Tel: +82 32 624 2870

E-mail: sales-asia@sfe-brands.com

SFE VIETNAM

SPECIALIZED FABRICATION EQUIPMENT GROUP

P1.2.13 Sky-Linked Villa, Diamond Alnata,
Celadoncity, 89 Đường N1, P. Sơn Kỳ,
Q. Tân Phú, TpHCM.

Tel: +84 91 951 70 18

E-mail: sales-vietnam@sfe-brands.com

SFE CHINA

SPECIALIZED FABRICATION EQUIPMENT GROUP

1208, 12F, #D 7001 Zhongchun RD
Minhang District
Shanghai, China

Tel: +86 215 429 1891

E-mail: sales-china@sfe-brands.com

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