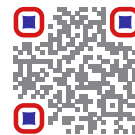


PURGE OXYGEN MONITOR



0.01 % - 20.9 % Oxygen (O_2) / 100 ppm - 209,000 ppm



AN SSG GROUP BRAND

PRODUCT BROCHURE

www.PURGEMASTERS.COM



The **Specialized Fabrication Equipment Group** (in short: **S.F.E. Group**) was founded in 2019 after the merger of three world leading OEM's in the field of pipe fabrication tooling and machinery: B&B Pipe and Industrial Tools LLC (USA), Mathey Dearman Inc. (USA) and TAG Pipe Equipment Specialists (UK). In a time span of 5 years, another 4 renowned and market leading companies were acquired and added to the **S.F.E. Group** portfolio: Axxair (France, 2022), Magnatech (USA, 2023), Climax (USA, 2023) and Sumner (USA, 2025).

The vision and philosophy of the **S.F.E. Group** is to offer globally a comprehensive innovative and cost-effective range of specialized fabrication, welding and machining equipment and derived rental solutions, for a wide range of applications within all critical industries, while optimizing performance, efficiency and safety.

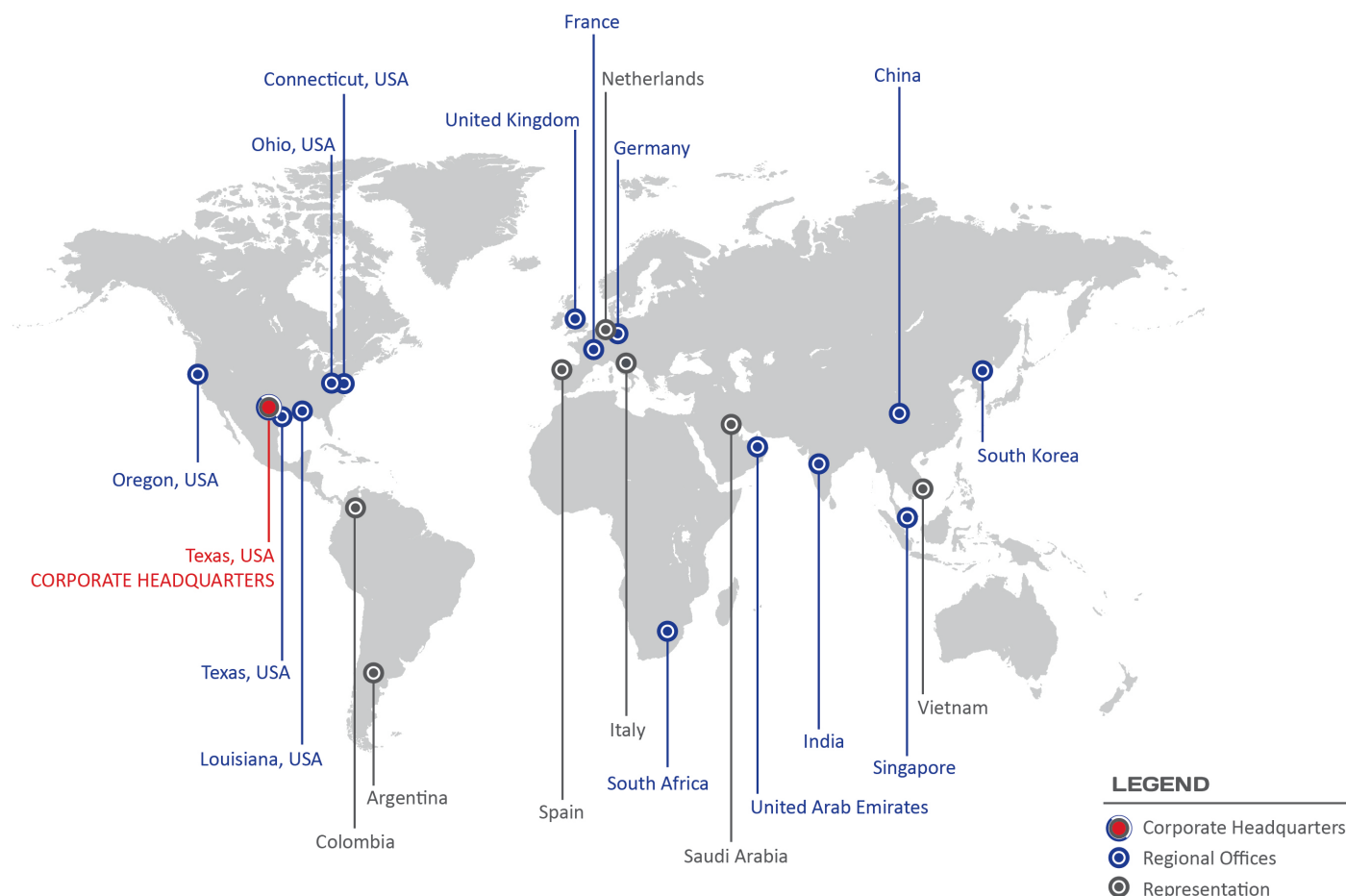
Leveraging over 200 years of combined experience in engineering, manufacturing, and field applications, the **S.F.E. Group** is committed to driving innovation. Through continuous product development and strategic acquisitions, the **S.F.E. Group** is actively growing its portfolio and expanding its global presence to meet the demands of industries around the world. Currently, the **S.F.E. Group** consists of 12 complimentary brands, each supporting the others in delivering cutting-edge solutions.

With offices and warehousing on 5 continents, 400+ employees and more than 500 partnerships and distributors worldwide, **S.F.E. Group** prides itself on consistently offering the highest standards of both product quality and service locally to all its customers.

S.F.E. Group looks forward to welcoming you into its global network as a partner, distributor or end user customer and remains at your disposal at any time.

Contact Americas: sales@sfe-brands.com
Contact International: sales-int@sfe-brands.com

S.F.E. GROUP GLOBAL PRESENCE





Backed by nearly 25 years of development, S.F.E. Group is proud to present its brand dedicated to pipe purging products, applications and solutions: **Pipe Purge Masters (PPM)**. With the **PPM brand**, the S.F.E. Group aims to not only emphasize its focus on pipe purging products but also meet the growing demand for on-site pipe purging equipment across the industries it already serves. Additionally, PPM products integrate seamlessly with other S.F.E. Group offerings, such as the orbital welding solutions provided by the AXXAIR brand.

As an OEM, S.F.E. Group prides itself on being renowned for its innovations, ground-breaking developments and creative designs within the **Pipe Purge Masters'** product range. Leveraging its engineering expertise, customer-centric approach, and flexibility, the PPM brand delivers innovative pipe purging solutions tailored to meet the specific needs of customer projects, while also addressing the demands of ever-evolving industries.

The **PPM brand** portfolio consists of a comprehensive range of pipe purging equipment: inflatable pipe purge bag systems, welding purge plugs, formed double seal purge systems, purge oxygen monitors, inflatable as well as mechanical pipe stoppers and accessories.

Pipe Purge Masters' products are available from the international S.F.E. Group locations on 5 continents, as well as from S.F.E. Group's extensive and continuously expanding global network of partners and can be consulted on the dedicated website **www.PURGEMASTERS.com**.

INDUSTRIES SERVED



OUR BRANDS



Our group policy is one of continuous improvements and acquisitions. Products and data tables are subject to change and may vary from those illustrated. Copyright © 2025 Specialized Fabrication Equipment Group, All rights reserved.



Self calibrating

The 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%.

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
- Eliminates guess work



Plastic carry case box (HP100SCP7)



Replacement sensor (HP100SCS)

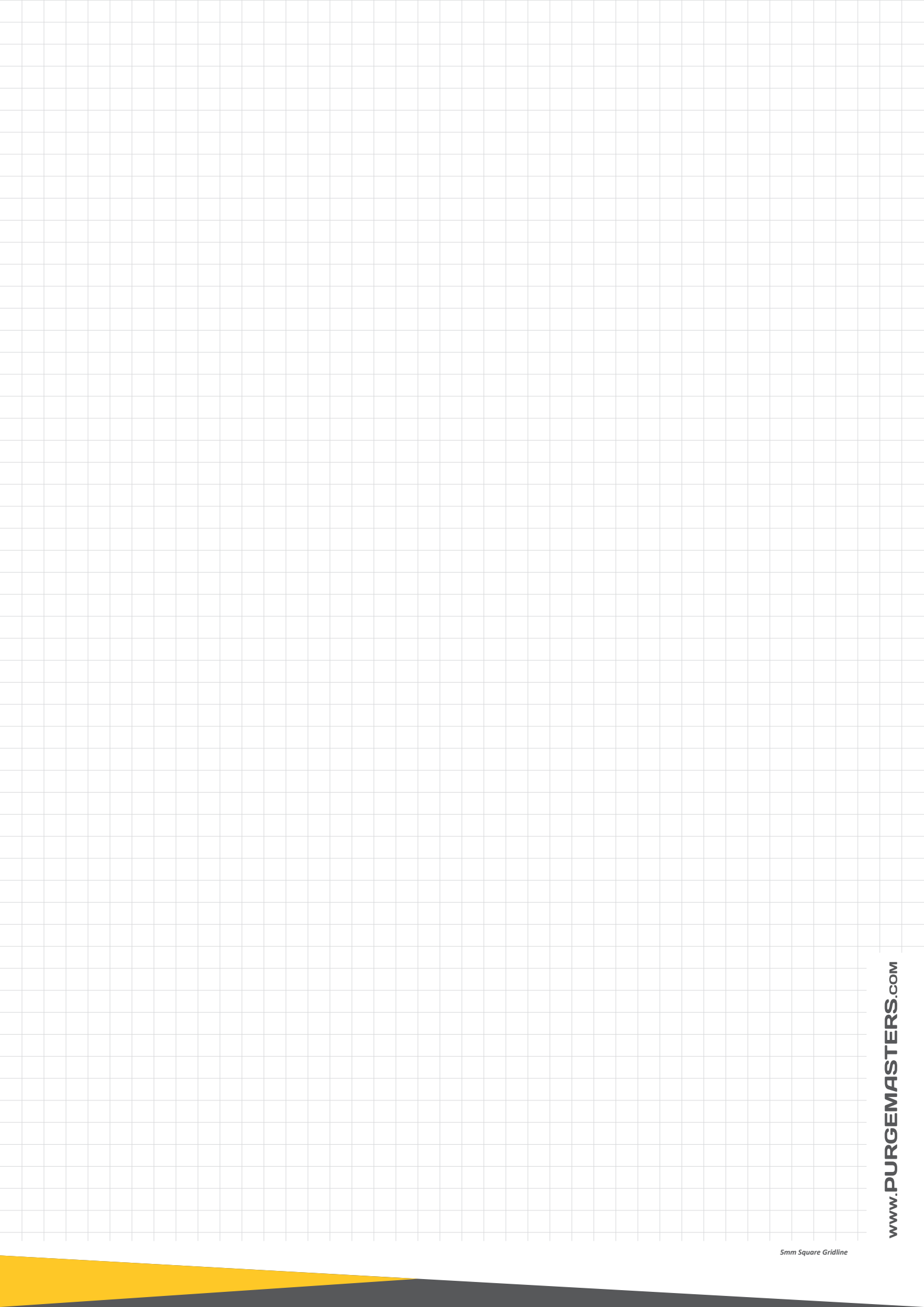
The kit consists of:

- 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) (100 ppm - 209,000 ppm)
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





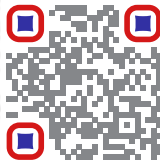


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FIT-UP PRO
By Melting Overlays

SUMNER
MATERIAL LIFTS

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