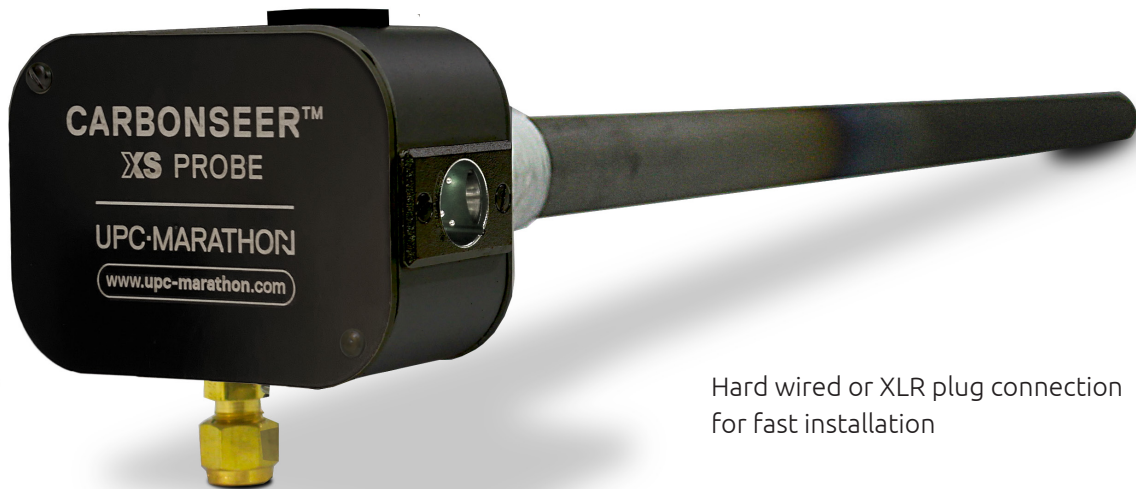


CARBONSEER XS HEAT TREAT OXYGEN SENSOR SERIES



Hard wired or XLR plug connection for fast installation

EXPANDED LINE-UP OF INDUSTRY WORKHORSE

For more than 25 years, the CARBONSEER series has been one of the heat treating industry's workhorses. Long appreciated for its durability, ease of installation and mechanical maintenance-free design, CARBONSEER probe is the natural choice for high carbon atmospheres and furnaces that run a wide range of carbon levels.

The new addition to the expanded line-up of the popular CARBONSEER series includes the **CARBONSEER XS**, an affordable rugged sensor engineered specifically to operate at carbon levels above 1% and into saturation.

United Process Controls (UPC) leads the industry in the certification and comprehensive testing of its probes, maintaining a standard of excellence for every UPC probe sold and shipped. Test results are included with every probe order, including electrical resistance (Kilo-ohms), response time, output deviation from average, average output at 1700°F (927°C), and leakage.

ACCESSORIES

Accessories are also available, including probe conditioning systems, mounting flanges, and redundant probe control solutions.



Reference Air & Burn-Off System



Mounting Flange

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TOUGHNESS

Accuracy is only good if a probe can withstand the toughest of environments. Frequent probe replacement or service simply costs the customer money. The advanced design of Carbonseer XS makes it thermally and mechanically tougher than the traditional first and second generation probes - meaning it can be installed and removed quickly.



SERVICE LIFE

In conventional probes the two most common modes of failure are electrode and leadwire failure. The Carbonseer XS uses a patented heat resistant alloy electrode welded to a metal sheath, which acts as a leadwire. Failure of these components is virtually eliminated.



COST

By replacing precious metals used in conventional probes with heat resistant metal alloys and a simple and effective design, the purchase price is lowered and performance is significantly improved. Low initial purchase price, 1-year use warranty, and rugged construction result in significant savings.

Special Features

1. Available with optional compression fitting to adjust insertion depth
2. Any one-inch NPT pipe thread can be used to mount the probe in a furnace wall.
3. The Carbonseer XS has a 12-month usage warranty.



COMPATIBILITY

Designed to easily replace all other oxygen probes in existing system and fully compatible with all furnace brands.



WARRANTY

- The Carbonseer XS probe series is warranted for a period of 12 months from the time of installation.
- Fast service turnaround is guaranteed for all warranty repairs.
- Probe failure analysis is available upon request.

MODEL # AND DESCRIPTION

Part No.	T/C Type				Length	
XS-520X	-	K	S	R	20"	520 mm
XS-755X	-	K	S	R	29.75"	755 mm
XS-855X	-	K	S	R	33.75"	855 mm

Temperature Range : 1300-1800°F (700-960°C)

A MUST-HAVE ACCESSORY : OXYGEN PROBE SIMULATOR & TESTER



Probe Buddy™ is a smart testing device that checks the integrity and health of an oxygen probe from United Process Controls and other manufacturers. It is also used to imitate the output signals of a working probe to check the scaling and operation of the process control system.



Scan to Register

Probes are covered by Usage Warranty as indicated from date of installation. Usage warranty is not effective until your probe is registered, and only if installation is made according to instructions supplied.

USA
+1 414 462 8200
sales.na@group-upc.com

CANADA
+1 514 335 7191
sales.na@group-upc.com

CHINA
+86 21 3463 0376
sales@mmichina.cn

FRANCE
+33 3 81 48 37 37
sales.fr@group-upc.com

GERMANY
+49 7161 94888 0
sales.de@group-upc.com

POLAND
+48 32 296 66 00
sales.pl@group-upc.com