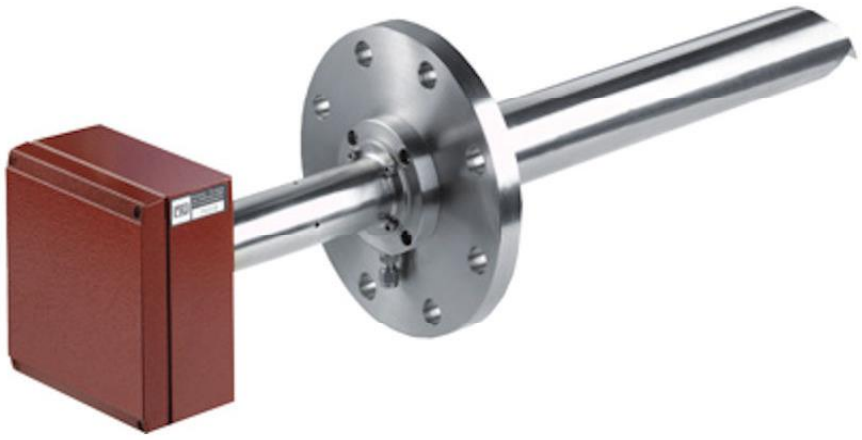
TOM 420

BASIC IN-SITU COMBUSTION OPTIMIZATION MONITOR

4-20mA

RS 485

MODBUS



O2

In-Situ Flue Gas Oxygen Transmitter
A Superior Design for Superior Results

- Real-time O2 measurements
- Stable, long-life Zirconium sensor
- Easy access to sensors for fast and simple service

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AIR fair

EMISSION MONITORING SYSTEMS

Over 30 years of innovative gas analysis!

TOM 420

TECHNICAL SPECIFICATIONS

Measuring range	0.1 to 25.0 % Vol.-% O2
Accuracy	O2: ±0.2 % or ± 5 % of reading, whichever is larger
Flange	ANSI flange: Ø 230mm / probe tube: Ø 60mm, up to max. 13' (4.0 m) length or flange DN80 PN16
Flange	DN65 PN6 flange: Ø 216 mm / probe tube: Ø 60 mm up to max. 13' (4.0 m) length or flange DN80 PN16
Flange temperature	min. +160 °F to max. +300 °F (condensation at the flange must be avoided)
Response time T90	<10 seconds
Analog outputs	Current loop 4 to 20 mA, with galvanic isolation linearized for both 0 to 25 % O2 (user definable settings in 0.5% steps are possible)
Digital output	galvanic isolated RS 485 (with Modbus protocol)
Power supply	18 to 24 Vdc (for model OMS 420), 90 to 100 W
Electronic of transmitter	with local microprocessor
Calibration inlet	with test gas fitting for 6/4 mm tube cal. gas supplied manually
Ambient temperature of electronics	-70 °F to 130 °F
Enclosure	Die cast aluminum, 6.3" x 6.3" x 2.4" and probe tube, Ø 2"
Protection class	IP 65
Weight	7.7 lbs. (without probe and flange)

Data subject to change without notice

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