

MULTI-GAS ANALYSER

60I

i

The Thermo Scientific™ NDIR Model 60i Multi-Gas Analyser improves analyser up time and lifespan. This analyser utilizes non-dispersive infrared (NDIR) optical filter technology to measure five gases in addition to an oxygen measurement via either chemical cell or paramagnetic technology. It is the one of the only analysers of its kind with built-in safeguards to protect itself against moisture damage.

Thermo 60i is a smart analyser, which has its own internal memory, self-diagnosis function and can be remotely interrogated via RS232 or Ethernet. It also controls optional modules such as a calibrator, a Peltier-effect dryer, a probe controller, an umbilical cord, etc.



APPLICATIONS

- Petrochemical
- Cement
- Pulp and paper
- Metallurgical



BENEFITS

- + CO, CO₂, NO, NO₂, SO₂ and O₂ measurement capability
- + Automatic and continuous moisture measurement
- + Low sample flow rate and wide dynamic range
- + Automatic alarm and shut off
- + Designed to meet US EPA 40CFR Part 60 requirements
- + No permeation dryer needed
- + Improved layout for easier accessibility to components

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SPECIFICATIONS

FLOW RATE	1 lpm
LINEARITY	±2% of range
INPUTS	10 digital inputs (standard) or 16 digital inputs
OUTPUTS	Six Analog outputs selectable voltage; six additional optional outputs are available
RESPONSE TIME	70 seconds, except for Oxygen (electrochemical cell: 60 sec.; paramagnetic cell: 45 sec.)
TEMPERATURE OPERATING	5 to 45°C in non-condensing environment
ZERO DRIFT	<ul style="list-style-type: none"> - O₂: [Electrochemical Cell]: Zero Drift (24 hr./7 day), <0.2%/<0.2%; Span Drift (24 hr./7 day), <0.2%/<0.3%; - O₂: [Paramagnetic Cell]: Zero Drift (24 hr./7 day), <0.1%/<0.1%; Span Drift (24 hr./7 day), <0.1%/<0.2%; - CO: Zero Drift (24/7), <1ppm/<3ppm; Span Drift (24/7), <1% of range/<3% of range. - CO₂: Zero Drift (24/7), <0.1 %/<0.5%; Span Drift (24/7), <1% of range/<3% of range. - NO: Zero Drift (24/7), <1ppm/<3ppm; Span Drift (24/7), <1% of range/<3% of range. - NO₂: Zero Drift (24/7), <1ppm/<3ppm; Span Drift (24/7), <1% of range/<3% of range. - SO₂: Zero Drift (24/7), <1ppm/<3ppm; Span Drift (24/7), <1% of range/<3% of range.
APPROVALS AND CERTIFICATIONS	Designed to meet US EPA 40CFR Part 60 requirements
MEASUREMENT RANGES	<ul style="list-style-type: none"> - O₂: 0 to 5% (min. range), 0 to 25% (extended range), 0.01% (lower detection limit) - CO: 0 to 100ppm (min. range), 0 to 2500ppm (extended range), 1ppm (lower detection limit) - CO₂: 0 to 5% (min. range), 0 to 25% (extended range), 500ppm (lower detection limit) - NO: 0 to 100ppm (min. range), 0 to 2000ppm (extended range), 1ppm (lower detection limit) - NO₂: 0 to 50ppm (min. range), 0 to 500ppm (extended range), 0.2ppm (lower detection limit) - SO₂: 0 to 100ppm (min. range), 0 to 10,000ppm (extended range), 0.2ppm (lower detection limit)
DIMENSIONS	<ul style="list-style-type: none"> - Height: 21.9cm - Depth: 58.4cm - Width: 42.5cm
WEIGHT	22.2kg
VOLTAGE	100, 150, 220 to 240 VAC ±10%



ECOMESURE

Réf.F93 V1