

MICROSPEC

MCP-200 IR Analysis Module

Rugged reliability as module or standalone.

- » Continuous non-dispersive infrared analysis
- » Analyzes liquid or gas sample
- » Highly compact, modular design
- » Solid state device with no moving parts or filters
- » One-time calibration and Auto Zero thereafter
- » Proprietary ultra-safe flow cell design for toxic fluid
- » Standard industry I/O
- » Custom path length per analyte

Available Measurements:

carbon monoxide

carbon dioxide

water

methane equivalency

ethylene

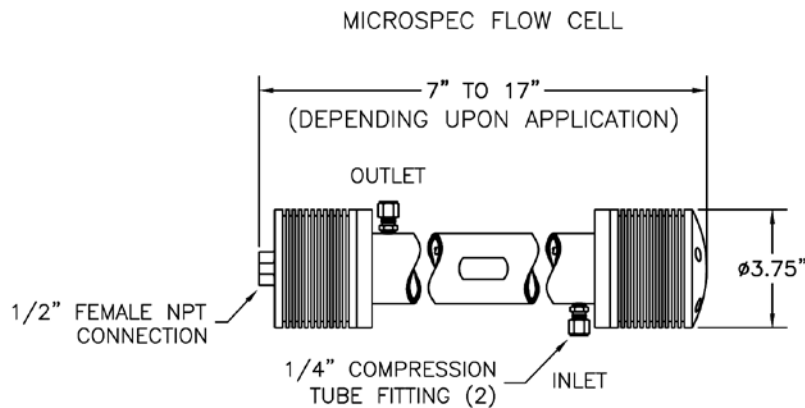


MicroSpec MCP-200 Specifications

All performance specifications are subject to the assumption that the sample conditioning system and unit installation are approved by Applied Analytics. For any other arrangement, please inquire directly with Sales.

Methodology	IR photometry (2 to 10 micron)
Light Source	Tungsten black body source
Sample Phase	Gas or liquid
Sample Introduction	Continuous flow from positive pressure stream
Sample Conditioning	Custom design if needed
Accuracy	±2% full scale
Repeatability	±2% full scale
Stability	±2% full scale / 24 hours
Analyzer Calibration	Calibrated at factory or site with certified calibration gases/liquids (no re-calibration required)
Verification	Simple verification with samples
Interface	Provides reading to any Applied Analytics HMI
Ambient Temperature	-20 to 50 °C (-4 to 122 °F)

Sample Pressure (max)	500 psi
Electrical	5 VDC, 24 VDC controller
Power Consumption	7 watts (maximum)
Communication	Serial communication with Applied Analytics HMI
Wetted Materials	<i>Various custom materials available.</i> Standard: stainless steel 316L, K7 glass, Viton
Environment	Indoor/Outdoor (with enclosure)
Warm-Up Time	2 minutes
Process Connections	1/4" tube fittings
Weight	10-30 lbs depending on path length
Length	Application-dependent, range from 7" to 17"
Diameter	3.75"



MADE IN THE USA

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