

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

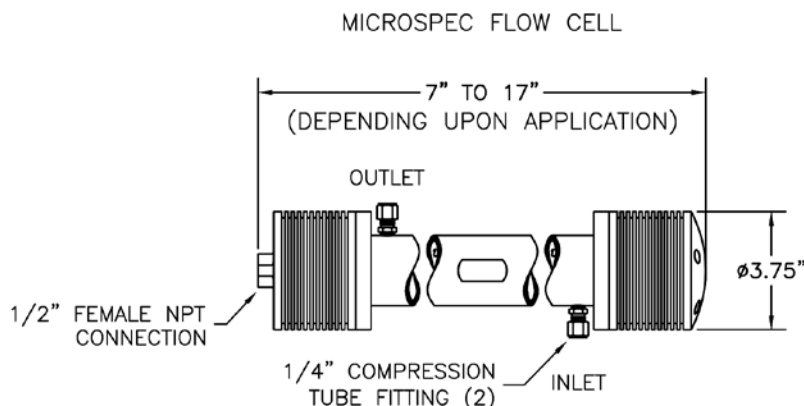


MicroSpec MCP-200 Specifications

Note: All performance specifications herein are subject to the assumption that all design for integration and sample conditioning is first approved by Applied Analytics.

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 (never requires re-calibration)
Verification	Simple verification with samples or neutral density filters
Interface	Provides reading to any Applied Analytics HMI

Ambient Temperature	-20 to 50 °C (-4 to 122 °F)
Sample Pressure	0-10 bar
Electrical	85 to 264 VAC 47 to 400 Hz
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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