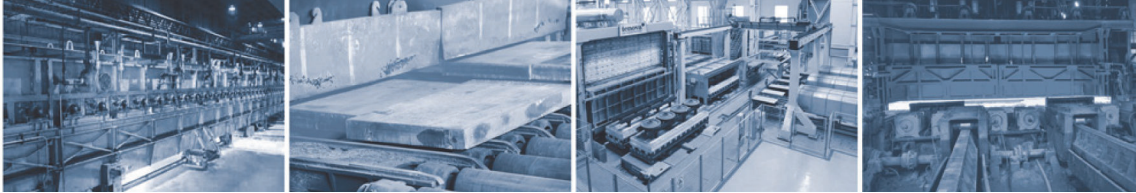


NOVA

Dependable Gas Analysis Solutions

207 Series PORTABLE DEW POINT ANALYZER



APPLICATIONS

For checking dew points of air, heat treat furnace gases, compressed air lines, and other applications with oils or contaminants present.

FEATURES

- Standard range of -40°F to 104°F (or -40°C to 40°C)
- Rugged design that is easy to operate
- Use on any non-corrosive gas
- Long-life dielectric polymer sensor
- May be calibrated in the field
- Touchscreen digital readout
- Built-in sample pump, filter, and flow meter
- Suitcase style enclosure is standard
- Sensor easily replaced if contaminated
- Factory-calibrated to NIST traceable standards

OPTIONS

- 4-20mA recorder output
- Calibration kit

CALIBRATION

- Calibration is easily performed in the field using the optional calibration kit (part no. TGI50317SUB).
- Alternatively, the analyzer may be returned to Nova for a certified calibration



207K - standard suitcase enclosure (K)



207KX - suitcase enclosure
with external display (KX)

NOVA ANALYTICAL SYSTEMS

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DESCRIPTION

The Nova 207 Series Portable Dew Point Analyzers have been designed primarily for accurate dew point measurement of exothermic and endothermic heat treating atmospheres.

The dielectric polymer sensor provides stable and accurate dew point measurements and is not affected by most gas compositions. See below for exceptions.

A built-in sample pump draws in samples that are of insufficient pressure from the process. The sample flow is shown on a small rotameter with valve. The analyzer then reads the dew point continuously.

MODELS

- 207K standard suitcase cabinet
- 207KX suitcase cabinet, external display
- 207CAA-B - compressed air applications 5 to 125 psig
- 207CAA-C - compressed air applications 5 up to 3000 psig
(cabinet style choices may be limited in compressed air application)

SPECIFICATIONS

Nova reserves the right to specification changes which may occur with advances in design without prior notice.

Description	
Method of Detection:	Dielectric polymer sensor that changes capacitance with moisture variation
Ranges Available:	-40°F to 104°F (or -40°C to 40°C) Dew Point
Resolution:	1°F (1°C) Dew Point
Accuracy and Repeatability:	±1°F (±1°C) Dew Point
Drift:	Less than 1% of full scale per month
Response Time (T-90):	Less than 30 seconds
Ambient Temperature Range:	40° to 120°F (4° to 49°C)
Linearity:	Better than 1°F (1°C) Dew Point
Size and Weight:	Approx. 14" L x 6" H x 10½" D @ 12 lbs (35 x 15 x 26 cm @ 5.5 kg)
Power:	AC/DC operation. 115VAC 60 Hz for recharging (other voltages available)
Output Options:	4-20mA
Alarms:	High or low dew point alarms with display indication (optional)

UNIQUE APPLICATIONS

The 207 Series should not be used to measure dew points when trace amounts of sulfur trioxide (SO₃), chlorine (Cl₂), hydrogen chloride (HCl), or ammonia (NH₃) are present. All Nova analyzers are built using proven technologies and techniques. If this product does not suit your application, please contact Nova at 1-800-295-3771. In many cases, we are able to build an analyzer specific to your needs.



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