

NOVA

MODEL 203

PORTABLE DEW POINT ANALYZER

APPLICATIONS

For checking dew points of furnace atmosphere gases or in air or other gases.



FEATURES

- Standard range of -148° to $+68^{\circ}\text{F}$ ($^{\circ}\text{C}$ version also available)
- Fast response
- Simple to operate
- Very stable
- Use on most industrial gases and air
- Long life ceramic sensor
- LED digital readout
- Built in sample pump or flow control valve
- No external adjustments to make
- 4-20 ma output
- Rechargeable battery operated version

DESCRIPTION

The Nova Model 203 Low Range Portable Dew Point Analyzer has been designed for accurate dew point analysis of endothermic or hydrogen/nitrogen heat treating atmospheres, instrument air or in many other applications.

The ceramic sensor provides stable and accurate dew point measurements and is not

affected by oil vapors, gas composition or particulates in the sample, although ammonia may have a detrimental effect.

A built in sample pump assists in drawing in samples that are of insufficient pressure from the process. The sample flow is shown on a small rotameter with valve. The pump can be

switched off when sampling gases are under pressure. The analyzer reads the dew point continuously and produces a 4-20 ma output for recording.

Two models are available. The 203 is AC powered only and the 203B which is rechargeable battery operated.

SPECIFICATIONS

DESCRIPTION	
Measured Gas:	Moisture Dew Point in furnace atmosphere gas or in air. (Consult Nova for use on other gas compositions.)
Ranges:	-148 to +68°F (or -100 to +20°C) (other ranges available on special order)
Display:	LED digital
Resolution:	± 0.1°F D.P. (±0.1°C)
Accuracy and Repeatability:	± 1°C from -60 to +20°C dewpoint ± 2°C from -100 to -60°C
Warm Up:	Approx. 30 seconds
Response Time:	Less than 30 seconds to T90 at higher dew points. Low dew points may take up to 1 hr.
Zero and Span Drift:	± .5°F D.P. max. for temperatures between -20 to +40°C
Operating Temperature Range:	-4 to 120°F (-20 to 50°C)
Size and Weight:	9"H x 8"W x 10"L @ 8 lbs (23 x 20 x 25 cm @ 3.6 kg)
Power:	115VAC 60 Hz (230VAC 50Hz also available)
Output:	4-20 ma

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

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