
ABB MEASUREMENT & ANALYTICS | ANALYTICAL MEASUREMENT

Introducing the NGC8106

Real-time energy measurement that is hassle free



NGC8106

Natural gas chromatograph



Real-time energy measurement

No more shipping and sample handling hassles. The user now has access to real time gas quality data instead of monthly or quarterly averages. Add a multivariable transmitter and the NGC8106 becomes a total energy meter.



Low utility requirements

The NGC8106 requires very little power, it can be run off solar panels where ac power is not easily accessible. No instrument air is required and the unit uses very little carrier gas, typically 1 bottle per year.



Extreme serviceability

The NGC8106 is extremely easy and fast to service. The NGC8106 consists of easily replaceable modules, most modules can be replaced in under 5 minutes by loosening a single bolt.



Low installation costs

Explosion and weatherproof design allows the analyzer to be installed much closer to the sample point. Eliminating the needs for shelters or costly sample transport tubing runs.



Compact field proven design

Based upon the NGC8206, with thousands of units successfully installed in the field the user can rest assured the data provided will be accurate and reliable.





FAQs

Based upon the industry leading NGC platform, the NGC8106 performs on-site, real-time gas analysis and heating value computation. The NGC8106 is a perfect replacement for automatic samplers. The user will enjoy real-time data instead of monthly averages, and shipping and sample handling errors have been virtually eliminated.

Q Does the NGC8106 support flow calculations?

A Yes, add a multivariable transmitter and the NGC8106 becomes a flow computer as well.

Q What communication options are available?

A Same as the NGC8206, two serial, one USB, and one ethernet.

Q What are the advantages over composite samplers?

A Real-time data versus out-of-date and inaccurate monthly averages. No sample handling errors. No sample shipping headaches.

Q What about power?

A Totalflow products have always been low-power, the NGC8106 is no exception. There is even a solar option for remote sites where power is not readily available.

Q What is the carrier consumption?

A One bottle – one year.

Q Which model is right for me?

A For higher volume stations, the NGC8206 remains the best choice due to its precision and accuracy. The NGC8106 is the perfect choice for lower volume stations which until now didn't have the gas volume to justify real time measurement.

Q What are the biggest differences between the NGC8206 and NGC8106?

A The NGC8106 is a single stream analyzer with manual calibration. It has a cycle time of 12 minutes versus 5 minutes for the NGC8206.

Q Does it still meet ISO and GPA standards?

A Absolutely, the NGC8106 meets or exceeds the repeatability and reproducibility criteria laid out in these standards.

Q What is the repeatability?

A +/- 0.25 Btu @ ambient temperature. +/- 0.5 Btu across the operating temperature range.

Q How often is it required to calibrate?

A Calibration frequency is dependent upon customer requirements. However, it is not uncommon to calibrate monthly or quarterly and still be within MPE's.



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