

Altronic® NGI-1000

Suitable for 1-16 cylinder engines and both natural gas (CH₄ - Methane) and biogas fueled applications



Ease of retrofit

For current Altronic users it is easy to transition to the NGI-1000. The software of the NGI-1000 is almost identical to the CD-200 software and the screen shows recognizable parameters known from the CD-200. Keeping a familiar user interface makes the transition from a CD-200 to the NGI-1000 a small step, saving precious time in the process.



Durable and reliable

The NGI-1000 is housed in a rugged, die-cast aluminum enclosure and has military-style connectors to insure high reliability in difficult and demanding operation environments.



Easy setup and adjustment of engine parameters

By using the NGI-1000 Terminal Program the spark current and duration, the engine setup, overspeed setpoint, all analog/RPM timing adjustment curves, and system/spark diagnostics can be monitored/adjusted conveniently.



Widely applicable

The versatile NGI-1000 is suitable for 1-16 cylinder engines and ideal for applications with difficult to ignite air/fuel mixtures.

Available at Hatracco

Combustion assurance, emission reduction

Spark current and spark duration can be independently adjusted, which enables complete dynamic control of the delivered spark energy for all engine operating conditions. These parameters can be adjusted via Modbus RTU.

This advanced spark energy control system is designed to provide combustion assurance on all lean-burn engine applications where the air/fuel mixture is often difficult to ignite.

Advantages:

- Improved emission values
- Improved fuel performance
- Improved reliability



Specifications

Altronic NGI-1000

No. of cylinders	: 1 - 16
Power required	: 24VDC, 7.5 Amp
System Pickup	: Magnetic, Hall-Effect or powered inductive
Enclosure	: Die-cast, gasketed, MS-connectors
Max. voltage output	: 40kV
Spark duration	: Adjustable, 150-1000 microsec*
Max. delivered spark current	: Adjustable, 50-200 milliamps*
Timing adjustment	
- Manual (8 pos. switch)	: User-selectable increments
- RPM range	: 25 to 2,500 RPM
- Analog input range	: 4-20mA or 0-5Vdc
- Overall max timing range	: 25° of retard
Overspeed setpoint range	: 25 to 2,500 RPM
Output switch rating	: 0.5 Amp, 32Vdc max
Communications	: Modbus RTU (RS-485)



* See NGI-1000 IOM for details of spark characteristic operating range

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Why Hatrac?

For more than 35 years, Hatrac is an independent trading company specialized in ignition, governing and control products for industrial reciprocating engines, both spark ignited and diesel.

With our: In-house engineering
 In-house production
 In-house service

we guarantee that your project is in **best hands** with our company.

We solve your problems and give you the **best solutions**.

Try the best solution!

Contact your local Hatrac representative for any information you may need.

Our well selected business partners provide you with professional support in your own language.

Please visit our website www.hatraco.com or mail to sales@hatraco.com

**IT'S ALL AROUND
ENGINES**