

# DGA-IS Dissolved Gas Analysis Intelligent Sensor



**DGA-IS** implement transformer on line monitoring with CO , H<sub>2</sub> gas in oil and Moisture measurement, applying smart sensing algorithms improving its response and precision (**IEC 60599 compliant**)

**DGA-IS** is designed to be used with TECHIMP PD analyzer as PDCheck Mark III unit, acquiring powerful diagnostic properties and a better failure coverage.

**DGA-IS** may also be used as a stand alone device to get basic alarm on programmed threshold levels.

## DGA-IS Characteristics

**DGA-IS** consist of a microprocessor controlled unit supporting sophisticated last generation gas sensors and digital controlled conditioning front end . Fiber optic provision allows the operator to periodically connect a standard PC to the unit and check gas values, gas trends and threshold setting

**DGA-IS** continuously measures Carbon monoxide, Hydrogen, Relative Humidity and Gas Temperature storing acquired data inside the on board permanent memory

**DGA-IS** has the capability to present alarm information using the dedicated LED programmable front lights or activating external alarms media by clean contacts.

## DGA-IS Technical Specifications

Measured Quantities	Range	Accuracy
Hydrogen	5 to 20000 ppm	10% ± 25 ppm
Carbon monoxide	10 to 4000 ppm	10% ± 25 ppm
Relative Humidity	5 to 95%	1%
Gas Temperature	-20 to 50°C	

### Operating Conditions

Oil Temperature range	- 20°C to +90°C
Oil pressure range	+ 0 to 800 kPA

### General

Operating Conditions:	Box Dimensions :	200mm x 200 mm x 160 mm
Temperature -40°+55°C;	Overall Dimensions:	200mm x 200 mm x 210 mm
Humidity 90% non-condensing;	Weight:	c.a. 9 kg
Power Requirements: 110-230 VAc , 3 A;	Warranty:	One year.