

EC-Conformity Assessment of applicable Directive 97/23/EC and EC-Declaration of Conformity to the Essential Requirements of applicable Directives 2004/108/EC (former 89/336/EEC), 2006/95/EC (former 73/23/EEC) and 98/37/EC

We, **Process Integral Development Eng&Tech (PID Eng&Tech)**, declare under our responsibility that the equipment:

Model	MA-REF
Model Code	XXXXXXXXXXXXXX
Serial Code	XXXXXXXXXXXXXX

is fully in **conformity** with the essential requirements of the following Council Directives.

97/23/EC: Pressure Equipments Directive (PED)

The equipment is **covered by Article 3.3 (SEP)**.

For Information: On the basis of this **conformity assessment** this equipment will bear marking: "**Directive 97/23/EC - Article 3.3**" (see back of the equipment), and PID Eng&Tech provides with the equipment a "Conformity Assessment Report", signed up by ATISAE (notified body number 0053).

2004/108/EC: Electromagnetic Compatibility Directive (EMC) (former 89/336/EEC, amended by 91/263/EEC, 92/31/EEC, 93/68/EEC and 93/97/EEC)

This **declaration** is based on the full compliance of the equipment with the Harmonized Standard EN 61326:1997 (and its amendments EN 61326/A1:1998 and EN 61326/A2:2001) for "Electrical equipment for measurement, control and laboratory use - EMC requirements", approved by the European Committee for Electrotechnical Standardization (CENELEC).

Test of EMC immunity according to the Standard EN 61326:

- EN 61000-4-2: Electrostatic discharge immunity test
- EN 61000-4-3: Radiated, radio-frequency, electromagnetic field immunity test
- EN 61000-4-4: Electrical fast transient/burst immunity test
- EN 61000-4-5: Surge immunity test
- EN 61000-4-6: Immunity to conducted disturbances, induced by radio-frequency fields
- EN 61000-4-11: Voltage dips, short interruptions and voltage variations immunity test

Test of EMC emission according to the standard EN 61326:

- EN 61000-3-2: Limits for harmonic current emissions (equipment input current up to and including 16 A per phase).
- EN 61000-3-3: Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems for equipment with rated current ≤ 16 A per phase.
- EN 55011: Industrial, scientific and medical (ISM) radio-frequency equipment - Radio disturbance characteristics - Limits and methods of measurement.

For Information: The "Electromagnetic Tests" took place at the **CATECHOM** laboratory from Alcalá de Henares University, in Madrid (Spain).

2006/95/EC: Low Voltage (LVD) - Electrical Safety (former 73/23/EEC)

This **declaration** is based on the full compliance of the equipment with the Harmonized Standard EN 61010-1:2001 for "Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 1: General requirements", approved by the approved by the European Committee for Electrotechnical Standardization (CENELEC).

Test of Electrical Safety according to the Standard EN 61010-1:

- Marking and documentation
- Protection against electrical shocks
- Protection against mechanical hazards
- Mechanical resistance to shock and impact
- Protection against the spread of fire
- Equipment temperature limits and resistance to heat
- Protection against hazards from fluids

For Information: The "Electrical Safety Test" took place at the **CATECHOM** laboratory from Alcalá de Henares University, in Madrid (Spain).

98/37/EC: Mechanical Equipment - Machinery

This **declaration** is based on the full compliance of the equipment with European standards.

Authorized Representative: **Process Integral Development Eng&Tech S. L.**

Plomo 15 – Polígono Industrial Sur
28770 Colmenar Viejo - Madrid - SPAIN

Colmenar Viejo, 2nd January, 2009

Signed:


Juan Antonio Valverde Andreu
CEO



For Information: On the basis of these three declarations this equipment will bear following marking: (see back of the equipment):

CE

94/9/EC: Equipment and Protective systems intended for use in Potentially Explosive Atmospheres (ATEX)

The Microactivity-Reference is **excluded** of this Directive and **should not be used in potentially explosive atmospheres.**

The Directive 94/9/EC in its chapter I, article 1, section 4, establish that: "Excluded from the application ambit of this Directive are those equipments which are destined to be used under no commercial settings where the potentially explosive atmospheres are created in rare occasions only as consequence of a fortuity escape of gas."

The Directive 94/9/EC, establish in the section 4.1.2. a) that:"It is considered that an equipment only enter in the application ambit of the Directive if it is destined (in its totality or partial) to be used in potentially explosive atmosphere. The fact that in the interior of the equipment deliberately, could be a potentially explosive atmosphere has no relevance".

Indicating also: "The products which are not destined to be use in atmospheric conditions do no enter in the application ambit of the Directive 94/9/EC, even though in their interior an explosive atmosphere in the atmospheric conditions during the periods of set up, disconnection or maintenance could be formed. This would be part of the evaluation of risks from the user side and could lead to the specification of the equipments ATEX for installation of a near recipient".



EC- Declaration of Conformity
EC-Conformity Assessment