



- L = 650 mm
- A = 805 mm
- H = 112 mm
- K = 25 mm
- D = 28 mm

APPROVED

*Alessandro Pavesi*

06/11/2008

REV.

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**FER**  
strumenti

FER Strumenti s.r.l.  
Via Ripamonti 58  
Seregno (MILANO)  
Tel. 0362/231203  
Fax. 0362/330349

PROBE 4153 L=650 mm  
DIMENSIONS  
GAS CONNECTION: FOR  
6x4 mm TUBING

DATA 06/11/08

N° IA800148



**ZIRCONIA  
OXYGEN ANALYZER**



MODEL

S.N.

CELL. N.

TC TYPE





## 6801 IN-SITU ZIRCONIA OXYGEN ANALYZER HIGH TEMPERATURES (700-1600°C)



### HIGHLIGHTS

- Easy replaceable sensor, TC and outer shield
- Direct insertion of apparatus
- Low installation cost
- High speed of response
- High corrosion resistance
- In-situ calibration
- Excellent stability
- Meets European standard directives:
  - directive 89/336/EEC
  - EN 50082-2 (3/95)
  - EN 50081-1 (1/92)
  - Directive 73/23/EEC – 93/68/EEC

### DESCRIPTION

The high temperature zirconia oxygen analyser mod. 6801, is equipped with a strong protective tube made in pure sintered alumina. The analyser has two platinum electrodes and a type "B" standard thermocouple. The material used to manufacture this instrument renders the probe corrosion resistant to the most aggressive atmospheres at high temperature.

The probe can be installed directly into the process

chamber. We recommend to insert the probe into a cylindrical hole 40 mm diameter through a central holding flange having a 1" NPT female thread into which the probe is installed. It is recommend that the end of the probe not extend more than 20 mm into the fire-box.

A special feature of this analyser is that all parts are easy to replace: sensor ass'y, thermocouple and external alumina protective tube can be disconnected for maintenance or, spare lowering costs.