

Pre-Mixer Analyzer

ADP 100

The analyzer model ADP100 is designed to monitor accurately the AIR/GAS ratio pre-mixed which is sent to the burners.

They allow the AIR/GAS ratio adjustment to obtain the desired quality of the flame to get the optimum temperature and atmosphere in the furnace and to monitor over a long period the stability of the blending.



Main characteristics

- Quick start up
- Easy to use
- Accurate
- Maintenance free
- Compact and rugged
- Response time 5 sec.



Distributed in
North America

1-603-249-5311

www.airsamplingdevices.com

Principle

The sample to be monitored is going through a furnace at a fixed temperature of 800°C in a cell housing containing, at the inlet a combustion catalyzer and at the outlet a zirconium oxygen cell. The measurement of excess oxygen or combustible after a complete combustion of the sample is processed in a digital electronic to give a dual range in % oxygen and % combustible on a 4 - 20 mA output and on a digital display.

Technical Characteristics

| | | |
|------------------------|---|-----------------------|
| Ranges | 0% to 21% O ₂ for oxidant atmosphere 0% to 10% excess combustible for reducing atmosphere | |
| Accuracy | ± 2% of reading | |
| Drift | Less than 0.1% of reading | |
| Repeatability | ± 2% of reading | |
| Display | % O ₂ - % excess combustible | |
| Analog output | 4 – 20 mA linear corresponding to : 4 mA = 10% combustible 20 mA = 21% oxygen | |
| Sample flow | 30 to 50 L/h | |
| Sample pressure | (14.5 psig) | 1 bar maximum |
| Power supply | 230 VAC, 50Hz / 110 VAC, 50/60 Hz | |
| Power consumption | 500 W | |
| Dimensions (W * H * D) | (20 "x 10" x 18 ") | 500mm * 260mm * 450mm |
| Weight | (42 lbs) | 19kg |
| Ambient temperature | 10 to 40°C | |

Technical specifications may change without previous warning