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.

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	1 bar maximum
Power supply	230 VAC, 50Hz / 110 VAC, 50/60 Hz
Power consumption	500 W
Dimensions (W * H * D)	500mm * 260mm * 450mm
Weight	19kg
Ambient temperature	10 to 40°C

Technical specifications may change without previous warning

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