



## **ACCURRA- Zr** **Flue Gas O2 Analyser**

ACCURRA - Zr from Sarvesh Analytics is a Online Zirconia based Oxygen Analyser, suitable for various Furnace and Stack applications. It is simple to use and can be used for boilers to achieve combustion efficiency.

### **Applications**

**Industrial Boilers**

**Stack Application**

**Efficiency Monitoring**

**Furnace Application**

**Power Station Boilers**

**Rugged all SS Design**

**Sensor always protected from Flue Gas**

**Compact, Reliable and Accurate**

**Excellent Long term Stability**

**Long Calibration Interval**

**Lowest Cost of Ownership**

### **Salient Features**

Suitable for In-Situ  
Installation

Head Mounted Electronics  
with Display & Keypad

Sensor Protected  
Probe design

Single Point Calibration  
with Air Only

User Programmable  
Current Output

Powerful Diagnostics  
with Sensor Protection

Modbus RTU  
over RS 485

Output Freeze / Follow  
during Blowback / Calibration

Auto Blowback Timer  
with Relay

**Optional:  
High Dust Load Probes  
available**

**Optional:  
Probes available  
upto 1400 °C**



**Specifications**

Measurement Range	0.1 - 25 % Oxygen
Sensor Technology	Zirconia
Expected Sensor Life in Years	- Clean Gas > 10 - Low Sulphur Natural Gas > 5 - Biomass / Coal > 2
Repeatability	Better than 1% of FS
Response Time, T90	< 15 seconds
Probe Lengths	300 / 500 /1000 mm
MOC	SS 316, Viton, PTFE
Display	Backlit LCD, 2 Line x 16 Character, Alphanumeric
Analog Output	4 - 20 mA, 500 Ω
Blowback Relay	1 x 1CO rated @ 1A 230V AC
Modbus Communication	MODBUS protocol over RS 485. READ: Measured Value WRITE: Initiate Blowback

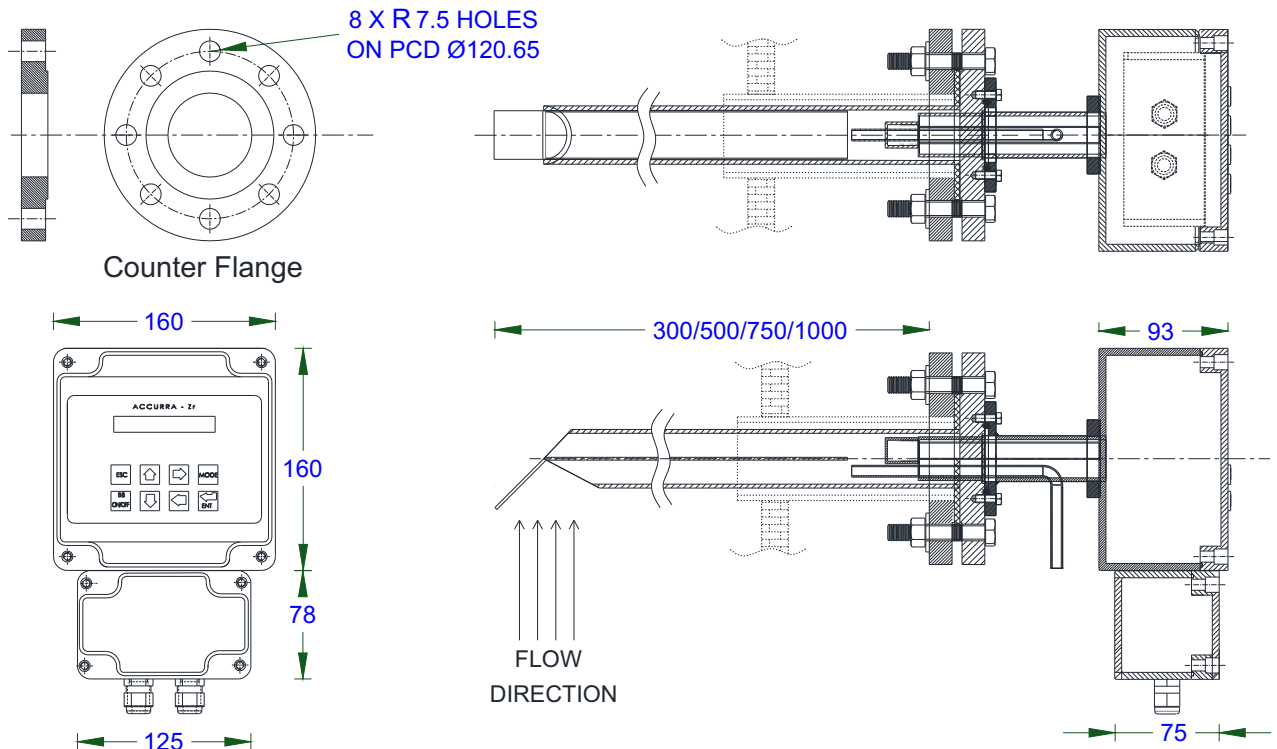
**Other Specifications**

Process Temperature	200 - 500°C
Recommended Fuel Types	Oil, Gas, NG (without blowback) Coal, Bagasse (with blowback)
Maximum Dust Load	10 gm/Nm3
Flue Gas Velocity	Between 5-20 m/sec
Process Connection	2" ANSI Flange
Blowback Connection	1/4" OD SS316
Enclosure Dimension	250 (H) x 160 (W) x 95 (D) mm
Protection	IP 65
Weight	Approx. 12 Kgs
Power Supply	240 V AC 50/60 Hz, 45W

**Environmental Conditions**

Ambient Temperature:	+10°C to + 50°C
Storage Temperature:	+0°C to + 50°C
Area Classification:	Safe Area

**Dimensional Details**



Notes: - The final responsibility to check whether this product meets the requirement of the Process and / or Analyser remains solely with the customer.  
- M/s SARVESH ANALYTICS PVT. LTD. has a policy of continuous improvement of product & services and hence reserves the right to change the specifications and features without prior notice.

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