

Drexel® Electronics and Engineering Products Private Limited

ONLINE CONTINUOUS EMISSION MONITORING ANALYZER



MODEL- DX4P

OVERVIEW:-

DX4P analyzer is designed with extractive measurement technique. DX4P monitored the concentration of CO, CO₂, O₂, SO₂, NO_x, HCL, CH₄, CFM, PM contained in sampling gas. NDIR (Non-dispersive infrared) principle for gas parameters and DC Tribo-electric for PM parameter. This system is used for extensive range of applications.

FEATURES:-

- Inbuilt display for viewing readings on the system.
- Inbuilt cloud gateway for transmitting data to server.
- All parameter shall be displayed on screen.
- Online fault rectification and troubleshooting
- Inbuilt battery backup for 3hours
- Optional inbuilt system for remote control to access troubleshooting
- Provision for addition of 16 more parameters in future optional
- Low power consumption

APPLICATIONS:-

- Textile
- Distillery
- Bio Medical Waste
- Pharmaceutical
- Alloy Processing
- Iron & Steel
- Automobile
- Food, Dairy and Beverage
- Lead Acid Battery Manufacturing
- Dye and Dye Intermediate
- Electroplating
- Sugar

TECHNICAL SPECIFICATION:-

Parameters	CO,CO2,O2, SO2,NO2,HCL,PM
Ranges	CO: 0-3%, 0-2%, 0-5%, CO2: 0- 30%, O2: 0 -25% , 0-75%, SO2: 0-1000PPM , 0-3000PPM, NOX: 0-1000PPM , 0-3000PPM, HCL: 0- 1000PPM
Optional parameter and their ranges	Primary and Secondary temperature (used in incinerator) Primary Temperature : -200 -350°c Secondary Temperature : 0-1200°c
Measurement Principle	<ul style="list-style-type: none"> ❖ CO, CO2,SO2,NOx,- NDIR /electrochemical ❖ HCL - NDIR /electrochemical/TDLS ❖ O2: Zirconium Oxide/ Electrochemical /Paramanetic ❖ PM: Tribo-electric /Dust Opacity/ Laser Scattering Method ❖ Primary & Secondary Temperature both are Input Points 08 Input Types Thermocouple -> E ,J ,K ,T ,B ,R ,S ,N RTD -> Pt100, Cu-53, NI-120 ❖ Current -> 0-20mA , 4-20mA ❖ Resistor Input -> 0 Ohms to 2k Ohms ❖ Voltage -> 0 to +10V, 0 to +5V 0 to +100mV, -50mV to +50mV, 0 to +250mV
Response Time	Less than 10 sec
Accuracy	Less than ± 5 %
Calibration	Remote zero/span calibration
Ambient Temperature	0 to 60°c
Power supply	220VAC/50Hz-60Hz
Output	<ul style="list-style-type: none"> ❖ Analog output :4 -20mA ❖ Digital output : RS 485