

R&D Snapshot

Ultrasonic type - Transit time & Doppler

Product Description: Flow Metering - Liquid, Slurry, Air, Steam, Gas

Segments: WWW, Thermal Power, Nuclear, Chemical & Pharma, Extraction industries, Food, Paper, Automotive,

Applications: Water treatment, slurry & process water pumping, Flow balancing, Hydro-electric, Anit-fire stations, Ink & Paint flow, Brine & Ammonia flow

Installation: Clamp, Pipe, Remote, In-line, Insertion types

Al₂O₃, Polymer capacitance, Laser & Chilled mirror and Thermal Conductivity

Product Description: Moisture Analyser & Hydrogen

Segments: Thermal Power, Nuclear, Refinery, Petrochemical, NG, Steel, ASU, Pharma, F&B,, Hydrogen, Semiconductor

Applications: Dryer, Generator cooling, Heat treatment, LNG Moisture, H₂ in HC mix, Moisture in liquid,

Installation: Portable and System

Paramagnetic, Non-depleting EC, Zirconia

Product Description: Oxygen

Segments: Thermal Power, Nuclear, Refinery, Petrochemical, NG, Steel, ASU, Pharma, F&B,, Hydrogen, Textile

Applications: O₂ in Woven process,

Installation: Portable and System

Non-Nucleonic Ultrasonic

Product Description: Slurry Density Meter/Chemical Concentration Meter

Segments: Coal & Ore Mines, Shipping, P&P, Power, Steel

Applications: Thickener underflow, FGD, Dredging

Installation: Clamp & In-line pipe mounted

Laser Back Scattering & Triboelectric

Product Description: Dust Monitor

Segments: Cement, Mining, Asphalt, Carbon Black, Steel plant

Applications: Baghouse leak detection to alert cyclone overflow, DeSOx,

Installation: Stack, Duct, Pipes

Cellular & LoRa

Product Description: Industrial IoT

Segments: WWW, Power, Chemical, Steel, Cement, O&G;

Applications: Utility monitoring, Fuel Level & Flow Audit (Inventory), Coolants, Fix or Portable tanks, Alerts (empty / Full / Spill / Lo-Hi), 24X7

Installation: Solar, Battery / Line Powered - Wireless

UV-DOAS, Multi-Gas analyser

Product Description: SO₂, NO_x, HCL, HF, NH₃, CO_x, O₂, CH₄, CL₂

Segments: Thermal Power, Cement, Metal

Applications: CEMS, SCR/FGD

Installation: In-Situ & Extractive

FTIR, Multi-Gas analyzer

Product Description: SO₂, NO_x (NO, NO₂), CO, CO₂, CH₄, HCl, HF, H₂O, O₂ simultaneously

Segments: Smart City & Biomass plants

Applications: Incineration & W2E Plants and Biomass plants, SCR-FGD

Installation: In-Situ & Extractive

Micro-venturi/Pitot & DP

Product Description: PTF Analyser

Segments: Power, Chemical, Fertilizer, Steel, Paper, F&B, Cement

Applications: Stack flow for CEMS

Installation: In-Situ

Cold atomic fluorescence spectrophotometry

Product Description: Mercury Analyser

Segments: Power plant, Boilers, Furnaces, Incinerators, Extraction & distillation, Recovery & Regeneration of mercury, Aluminium plants

Applications: CEMS, Ore refining, Catalyst recovery & Tail gas monitoring in power plants (using solid or liquid fuel)

Installation: Hot Extractive method

Catalytic Combustion Oxidation method & NDIR

Product Description: TOC Water Analyser

Segments: Water & Waste water

Applications: Online monitoring of Industrial WW, Centralized DW & organic carbon in SW.

Installation: Single & Multichannel System

UV-Vis/NIR

Product Description: COD, BOD, pH, TSS, NH₃, CL₂,FE,DO

Segments: Water & Waste water, , Power, Chemical, Steel, Cement, O&G;

Applications: WTP,ETP,STP, ZLD, EQMS

Installation: Single & Multichannel System