



MAAS ENGINEERS

Solution at your door

Product Catalogue



**Advanced Analytical
Instruments**

Electromagnetic Flow meter

Simply known as mag flow meter is a **volumetric flow meter** which is ideally used for waste water applications and other applications that experience low pressure drop and with appropriate liquid conductivity required.

Performance Specification:

Size: DN 15-1000mm

Accuracy: 0.5% of the full scale value

Lining Material: PTFE, Hard Rubber, and Polyurethane.

Electrode Material: SS316, Hastelloy C, titanium.

Temperature Range: 10 Deg to 120 deg C

Ambient Temperature: 10 deg C to 60 deg C

Display Type: Integral or Remote (as per the requirement)

Protection Class: IP65, IP68 (Optional)

Output Signals: 4-20 mA, RS485, Pulse.



Online Effluent Monitoring System

COD, BOD, TSS, pH, Oil and Water, Ammonia,
Online water quality monitor

Principle: UV-VIS Spectroscopy full wave spectrum.

Wetted Part: Quartz or Sapphire/FPM/ SS/ PEEK.

Display: 8.5 inch TFT color screen.

Memory: 8 GB

Communication Output: 4-20 mA, RS485.

Enclosure: SS316 L, Wall mounted.

Accuracy: $< \pm 2\%$ FS

Power Consumption: < 20 Watts (60 W max)

Online Data Transfer to CPCB/SPCB

Online Stack Emission Monitoring System

SPM, SO_x, NO_x, CO, CO₂, O₂, HCL, CL₂, Measurements
With Data Transfer to CPCB/SPCB as per CPCB Guidelines.

Principle:

SPM: Triboelectric/ Optical.

SO_x, NO_x, CO, CO₂: NDIR/ Electrochemical.

O₂: Zirconium Electrode

TUV Certified.



Piezometer/Ground Water Level Recorder

As per CGWA Guidelines, Piezometer is mandatorily installed within the premises and in peripheral areas to Measure the ground water level periodically.

Specifications:

Range: up to 150 meters

Accuracy: -0.25 - +0.25%

Operating Temperature: -15 deg to +125 degree

Wetted Material: SS316

Supply: Inbuilt Battery along with 12V DC Charger

Solar Panel: Optional



Vortex Flow meter

A universal Flow Meter which can be used in almost all applications whether it is air, water or steam.

Size: 15 mm to 300 mm

Body style: Flanged type

Applicable Fluid: Liquids, Gases and steam.

Operating Temp: -30 deg C to 300 deg C

Accuracy: $\pm 1\%$

MOC: SS316

Mounting: Integral/Remote

Converter MOC: Aluminum Alloy

Signal Output: 4-20 mA and RS 485

With Pressure and temperature compensation.

Open Channel Flow meter

Generally used for the measurement of open channels with the help of ultrasonic level transmitter.

Specifications:

Range: 0-12 meters depth

Weir: Required as per design

Accuracy: $\pm 2\%$ of FS

Mounting: Wall mounted

Protection class: IP65/IP68

Sensor Cable: 15 meters can extend up to 30 meters.

Power Input: 100- 240V AC

Output: 4-20 mA

Data Logging: Optional



Area Velocity Flow meter

AVFM measures both Level and Velocity to calculate Flow in an Open Channel or Partially filled pipes.

Specifications:

Channel Types: Round Pipe, Rectangular, Trapezoid Shapes
Electronics Enclosure: Watertight and dust tight NEMA4X (IP66)
Accuracy: Level: $\pm 0.25\%$ of Range, Velocity: $\pm 2\%$ of Reading
Power Input: 100-240 VAC, 50-60 Hz, 5.28 Watts (Standard Feature)
Outputs: 3 isolated 4-20 mA Outputs
Operating Temperature: -20 Degree to 60 degree
Data logging: Optional
Sensor Type: Available in fixed as well as portable instrument



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