



METAZONE ENGINEERS P. LTD

(AN ISO 9001-2015 CERTIFIED COMPANY)

MOB:- +91 7047 729 679, 7607 692 457

MAIL:- METAZONEENGINEERS@GMAIL.COM

WEB:- WWW.METAZONEENGINEERS.COM

ADD:- GT COMPLEX KHAMTARAI, RAIPUR , (CG)
498006

PRODUCT OVERVIEW



METAZONE
Engineers p. Ltd

- ELECTROMAGNETIC FLOWMETER
- PIEZOMETER / DIGITAL WATER LEVEL INDICATER
- SOUNDER/ PORUS TUBE
- AIR QUALITY ANALYZER
- GAS ANALYSER
- WATER ANALYZER
- WEATHER MONITERING SYSTEM
- MASS FLOWMETER
- ULTRASONIC FLOWMETER
- 1. HAND HELD
- 2. INLINE

Metazone Engineers P. Ltd.

MOB:- +91 7047 729 679, 7607 692 457

MAIL:- METAZONEENGINEERS@GMAIL.COM

WEB:- WWW.METAZONEENGINEERS.COM



METAZONE
Engineers p. Ltd

ELECTROMAGNETIC FLOWMETER

BODY-----

ENCLOUSER MATERIAL(HOUSING) :- Flameproof, IP65 / IP66

INSTRUMENT DETAILS :- SPECIFICATIONS

Flange Connection :- ASA 150 RF 16.5 Table

MATERIAL BODY :- MS/ SS

ELECTRODE :- SS 316L

FLANGE :- MS/ SS

LINEAR :- PTFE (TEFLON)

ACCESSORIES-----

DIRECTION OF THE FLOW :- Direction Of Arrow On Meter

UPSTREAM STRIGHT LENTH :- 25 to 600 *DN (meter size)

CABLE ENTRY :- 2 no. ¾ " ET Double

Operating Temp. - 0 to 85 C

Operating Pressure - 0 to 10kg / cm2 max

SUPPLY-----

- Display - 16X2alphanumeric LCD Display
- Power Supply - 220V, 50Hz
- Output - 4 - 20mA, RS 485 (Optional)
- Minimum Conductivity - 5u Siemens / CM



MOB:- +91 7047 729 679, 7607 692 457

MAIL:- METAZONEENGINEERS@GMAIL.COM

WEB:- WWW.METAZONEENGINEERS.COM

ULTRASONIC FLOWMETER



METAZONE
Engineers p. Ltd

TECHNICAL SPECIFICATION-----

- Principle :- Transit-time
- Accuracy :- 1%
- Display :- 4×16 character with back light
- Language :- English, Italian, French, Spanish
- Interface :- RS232
- Data Storage:- Built-in 32 Mbit logger
- Pipe Material:- Carbon steel, stainless steel, cast iron, copper, PVC
- Measuring Range :- DN25~DN6000mm
- Liquid :- Water, sewage, etc.. (Full of pipeline)
- Flow :- Velocity $0 \sim \pm 7 \text{ m/s}$
- Power supply:- Built in rechargeable Ni-MH batteries, 12 hours'
- operation :- (Continuous)
- Power Consumption :- 1.5W
- Housing :- ABS
- Dimension:- 200*93*32mm

NOTE:-

• Clamp-on Ultrasonic Flowmeter: A non-invasive type of flowmeter that can be installed on the outside of a pipe without interrupting the flow.



MOB:- +91 7047 729 679, 7607 692 457

MAIL:- METAZONEENGINEERS@GMAIL.COM

WEB:- WWW.METAZONEENGINEERS.COM

PIEZOMETER/ DWLR



METAZONE
Engineers p. Ltd



TECHNICAL SPECIFICATION-----

- Ground Water Level Recorder 16 Bar Pressure transducer.
- Cable Length:- 50 Meters 128x64 Graphical Outside Box: ABS Material with transparent cover.
- Inside Box:- ABS Material SD Card for Data Storage SD Card Reader Included for Data Copy
- One 12VDC Adaptor Included.

SUPPLY-----

- Connectivity for Data Transmission: GSM 4G Supported, Wifi, Ethernet
- Battery backup:- upto 36hrs
- Online Web Page for Water Level Data Monitoring (For 1 Year Inclusive).
- Exclusions:-Site Installation Normal SIM Card Internet Pack. LCD along with 1x4 Keypad for Data Monitoring & Configuration

MOB:- +91 7047 729 679, 7607 692 457

MAIL:- METAZONEENGINEERS@GMAIL.COM

WEB:- WWW.METAZONEENGINEERS.COM

MASS FLOWMETER



METAZONE
Engineers p. Ltd

Applications-----

TYPE:- Coriolis flowmeter Technical datasheet

Applications-----

- Crystallising, solidifying and cryogenic products
- Tanker loading
- General purpose applications
- CIP and SIP >130°C
- Liquid Natural Gas (LNG)
- Supercritical gases

Operating Environment-----

Atmospheric pressure: 85kPa~106kPa Ambient temp.: 25 deg C

Relative humidity: 5%~95%, non-condensing

TECHNICAL-----

.Measuring principle Coriolis mass flow Application

Mass flow and density measurement of fluids, gases and solids

.Measured values

Mass, density, temperature Material of .Construction Stainless Steel 316L 08...200

Compact / remote 100 bar g @ 20°C / 1450 psig @ 68°F

Temp. range -70°C...+230°C / -94°F...+446°F

.Reference conditions

Calibration fluid : Water

Calibration temperature : +20°C / +68°F (± 5°C)

Calibration pressure : 1...6 bar g / 14.5...87 psig



GAS ANALYZER



METAZONE
Engineers p. Ltd

INDIR) GAS ANALYZER-----

- NO, SO₂, CO, CO₂, CH₄ Measurement Available
- Wide measurement range: from 0–5 ppm to 100%
- Excellent zero-point stability: $\pm 0.5\%$ FS per week
- Simultaneous and continuous measurement of up to 5 components
- Compact and lightweight: 483 (W) × 133 (H) × 382 (D) mm, ≤ 13 kg
- Simple structure for ease of maintenance
- Built-in magnetic or galvanic O₂ sensor (optional)

Zirconia Oxygen Analyzer-----

In-situ oxygen analysis requires no gas sampling device

FEATURES-----

- Easily replaceable zirconia element
- Fast response (4 to 7 seconds)
- IP66 or IP67 enclosure
- Operation available without opening the cover

WEATHER MONITERING SYSTEM



METAZONE
Engineers p. Ltd

TECHNICAL SPECIFICATION-----

System type MZE-WMS-01 comprises 7 sensors (rain, wind speed and direction, solar energy ,RH, air and soil temperature), with 2m mast, canopy and accessories.

Field proven in severe weather conditions. Unattended weather recording at remote and exposed sites. Wide choice of sensor and accessories. GSM Modem communication.

MEASURING POINT-----

- temperature sensor
- humidity sensor
- pressure sensor
- wind speed sensor
- wind direction sensor
- rainfall sensor



MOB:- +91 7047 729 679, 7607 692 457

MAIL:- METAZONEENGINEERS@GMAIL.COM

WEB:- WWW.METAZONEENGINEERS.COM

SOUNDER WITH PORUS TUBE



METAZONE
Engineers p. Ltd

DESCRIPTION OF EQUIPMENT-----

- EPP-10/1 Porous tube
- EPP-10/2 Stopper
- EPP-10/3 Top Adapter
- EPP-10/6 Water level sounder
- EPP-10/4 Standpipe
- EPP-10/5 Joint for PVC Tubing
- EPP-10/7 Pipe cap assembly
- EPP-10/8 Top cap (50 mm nominal bore)
- EPP-10/9 Protective pipe (50 mm nominal bore)
- EPP10/10 Lockable protective manhole cover
- ORDERING CODE:
- EPP-10/6-L-X [L= length, X = unit (m or ft)]

FEATURE-----

- Porous tip (L):- Casagrande tip, 37 mm o.d., 25 mm i.d., 20, 40, 60 cm long covered with geo-textile
- Standpipe:-25 mm o.d., with wall thickness 1.5 mm PVC pipe in suitable length
- Resolution:- 0.1" standardLength 'L' (m):- 30, 50, 100, 150, 200, 300,
- Length 'L'(ft):- 50, 100, 150, 300, 500
- Tape/Cable Size :- 10 mm wide x 2 mm thick
- Probe :- Stainless steel 12.7 mm dia.
- Audio Signal :- Sound buzzer
- Visual Signal:- Green LED light signal
- Power Supply:- 9 V PP-3 size battery



AIR QUALITY MONITORING SYSTEM



METAZONE
Engineers p. Ltd



MONITORING SYSTEM-----

Principle Laser Scattering Parameters PM 2.5 & PM 10 Resolution
Range Range Input Voltage :- 0.1 ug/m³ Range:- 0-1000 ug/m³
Voltage:- 220V AC 50 Hz Sampling:- Real Time

SALIENT FEATURE-----

- PM 2.5 / PM 10 Ambient Air Quality Monitor is highly accurate and reliable. Particulate Monitoring in ug/m³ is measured through laser scattering.
- Accurate & Reliable Readings
- Graphical LCD for easy monitoring & navigation
- Rugged & Robust design suitable for industrial environment

MOB:- +91 7047 729 679, 7607 692 457

MAIL:- METAZONEENGINEERS@GMAIL.COM

WEB:- WWW.METAZONEENGINEERS.COM

WATER ANALYSER



METAZONE
Engineers p. Ltd

TECHNICAL SPECIFICATION-----

- Parameters Support BOD, COD, TSS , pH , Flow Rate (Optional)
- Additional Parameters:- As per Requirement
- BOD Range:- 0-500 mg/l
- COD Range:- 0-500 mg/l
- TSS Range:- 0-500 mg/l
- pH Range:- 2-12 , 0-14 (Optional)
- Method:- UV Correlation
- Parameters Accuracy:- +/-5%
- pH Accuracy :- +/- 0.1 pH
- Sample Flow:- Recommended 0-2 l/min
- Sample Pressure:- Recommended 0-1 Bar
- Operating Temperature:- 0 - 70 °C
- Sample Interval:- Customizable 5 min & above
- Cleaning Interval:- Customizable 2 min & above
- Data Logging:- Internal
- Memory:- 8GB
- Maintenance Interval:- 3 months Recommended
- HMI Size:- 7.0 inch touch screen
- HMI Resolution:- 800x480 pixel
- Communication:- RS485
- Telemetry :-Yes via RTU
- Certification:- CE
- Enclosure :-Mild Steel
- Dimensions :-800 x 600 x210 mm



MOB:- +91 7047 729 679, 7607 692 457

MAIL:- METAZONEENGINEERS@GMAIL.COM

WEB:- WWW.METAZONEENGINEERS.COM

WE'VE MADE A DEAL



ABOUT US

Metazone Engineers Private Limited (ISO 9001:2015) is a next generation young entrepreneurship engineering firm and Leading manufacturer & supplier of measuring instruments like Electromagnetic Flow Meter, Digital Water Level Recorder (Piezometer), Ultrasonic flow meter ETC .

The organization has started its journey in 2009. With the steady pace and its exponential growth it has become industry Competitor within a very short span of time. Metazone has built strength of executing customized solutions.

We help our customers in adopting technology advancement to maximize their Return on Investment with zero-tolerance qualitative approach

We are committed to maintain high standards of quality across the engineering and technology industry. It shall be achieved through customer satisfaction by ensuring consistency in our products with on-time delivery and after sales support.

