



UTKARSH SCIENTIFIC INSTRUMENTS

Process Equipments & Automation



Electromagnetic Water/ACID Flow meter

Model : EMAG

Make : USIS, India

Type : Remote/ Remote mount
with flow Indicator/Totalizer

Mounting : Remote / Head Mounting

Electrode : SS 316L /HASTOLLYC/
Tantalum

Accuracy : $\pm 0.5\%$ of actual flow rate

Earthling : SS electrode

Temp. : -10 to 110°C Max

MOC : MS Epoxy Paint

Pressure : max up to 15 Kg/cm²

Connection : ANSI 150#

Indicator Model : FIT Flow
Indicator Totalizer

Output : RS485MODBUS/
4-20mA

Display : 2 X4 digit Red
LED displays

Enclosure : IP65

Power Supply : 230VAC, 1 Phase

Lining : PTFE

Scope of Companies:

- Pulp & Paper
- Water Supply Schemes
- Chemical & Pharmaceutical
- Effluent Treatment Plants
- Steel & Aluminum
- Petrochemicals & Fertilizers
- Sewage Treatment Plants
- Sugar Industries & Distilleries
- Food & Drugs.

Key Features:

- 01 **Meter Size**
1.5"DN 40 : DN600
- 02 **Accuracy :**
<±0.5% of rate(DN 15)
- 03 **Fluid temperature :**
-40 to 160 °C
- 04 **240 V AC/
24 DC Supply Power**
- 05 **Lining PTFE
& Hard Rubber**

Network:

LTE FDD Band	Asia - B1/B3/B5/B8 Europe - B1/B3/B5/B7/B8/B20/B28
LTE TDD Band	Asia - B34/B38/B39/B40/B41 Europe - B38/B40/B41
GSM Band	Asia - B3/B8 Europe - B2/B3/B5/B8
Bandwidth	Asia - 1.4/3/5/10/15/20 MHz Europe - 1.4/3/5/10/15/20 Mhz
Network protocols	TCP, HTTP, HTTPs, MQTT
Connection monitoring	Periodic Reboot, Power Failure, Input/ Output On/Off, Slave Fail

