



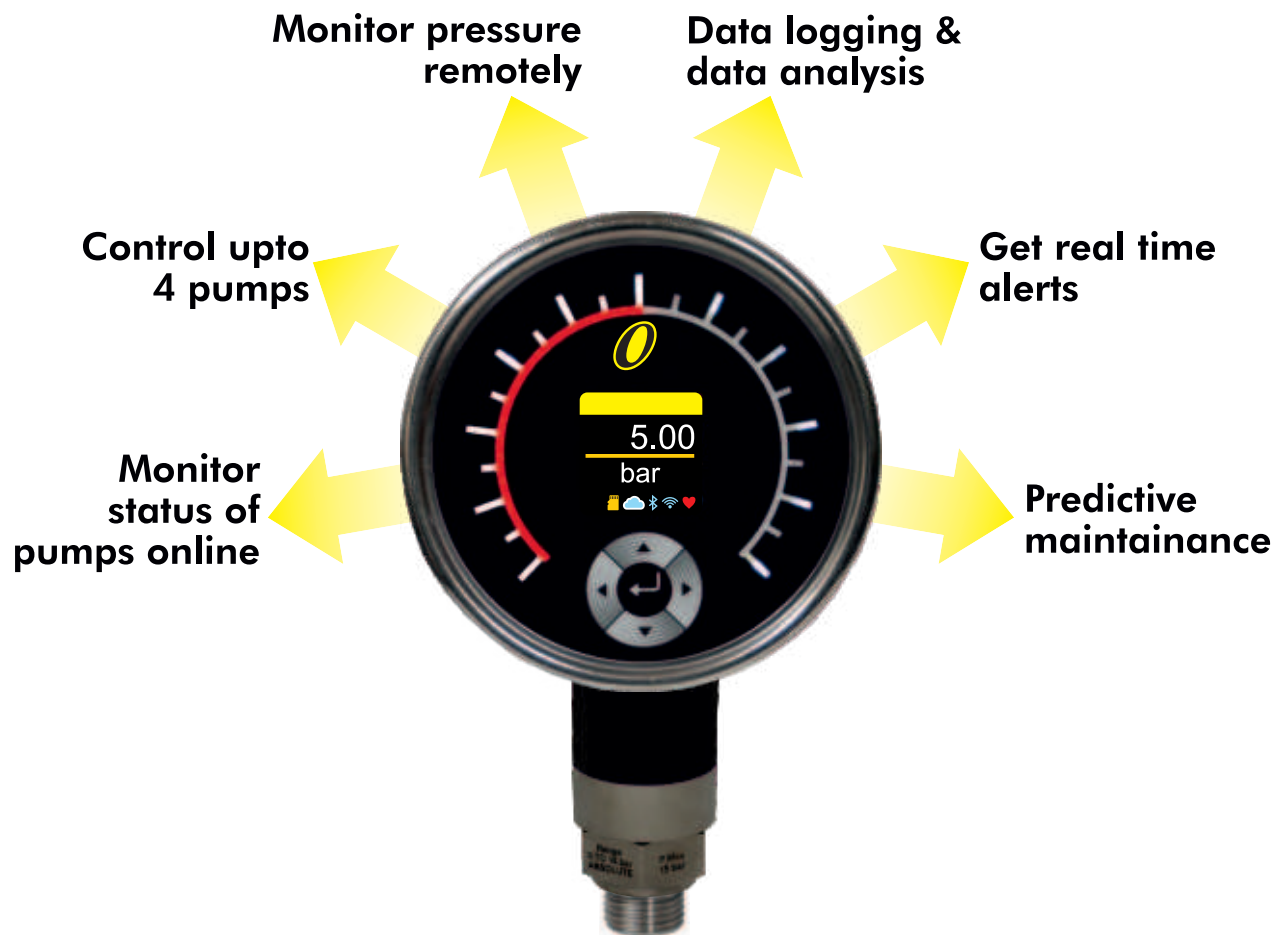
Ogauge Firefighting Monitoring System (OFMS)



KEY FEATURES

- Simple, plug & play solution
- Communication via Wifi / GSM dongle
- Tamperproof with a role based access
- Wireless data transfer
- Can be retrofitted
- With power backup

With **ONE Ogaugue** you can...

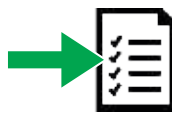


UNIQUE FEATURES:



Pump Control

4 on-board relays makes it possible to control upto four pumps with only one Ogaugue.



Data Logging

With an in-built datalogger, process data upto 8 years can be stored.



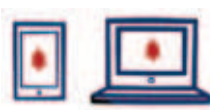
Integration with DCS

With 2 analog outputs Ogaugue can be integrated with BMS/DCS/SCADA systems.



Web-based Dashboard

Through an online dashboard the user can monitor the water pressure, pump operation & do data analysis.



Real Time Alerts

Receive alerts in real time in case of fire breakout.



Mobile App Configuration

Configure the Ogaugue with a Bluetooth mobile app.

TECHNICAL DATA

Input Data

Measuring ranges : 0 bar to 100 bar

Overload pressures : 1.5 times FSR

Tightening torque : 20 Nm

Mechanical connection : Threaded port 1/2" BSPM
(other options available)

Supply Voltage : 18...32 VDC

Electrical connection : 19-pole, circular MIL connector

Output Data

Accuracy : $\leq \pm 0.25$ % FS max.

Repeatability : $\leq \pm 0.1$ % FS max.

Analogue output : 4 .. 20 mA ohmic resistance
 ≤ 400 Ohms

0 .. 10 V ohmic resistance ≥ 2 kOhms

Switch Outputs :

Type : 4 hermetically sealed SPDT relays with
change-over contacts (independent potential free
contacts)

Switching voltage and current :

5 A, 250 VAC / 5 A, 30 VDC

Reaction time : < 20 ms

Environmental Conditions

Operating temperature range : -25 .. +60 °C

Storage temperature range: -40 .. +80 °C

Fluid temperature range : -25 .. +80 °C

(Also generally complies with EN 50178, Tab. 7, Type C, Class 4K4H Operation, 1K4 Storage, 1K3 Transport)

Protection class : IP 66

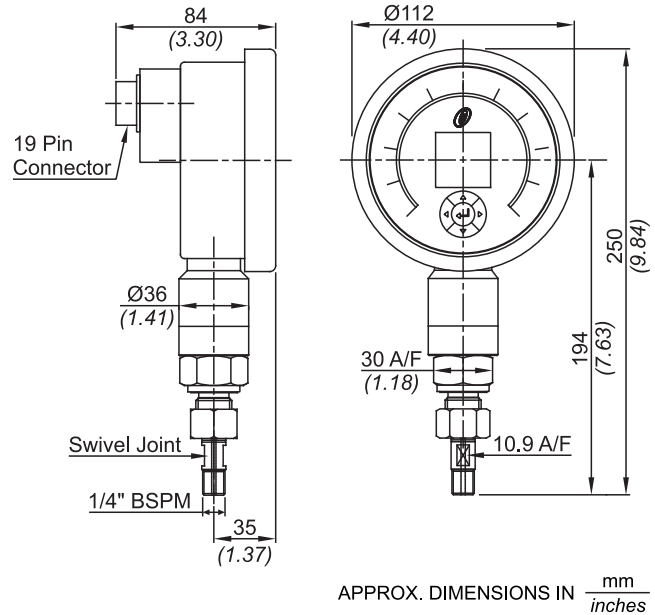
Other Data

Display : Full colour OLED display

Housing material : Stainless Steel case

Weight : ~ 800 g (noted for popular pressure gauge device type, varies with models)

Ogauge Installation Drawing



OFMS POWER SUPPLY BOX WITH BACK-UP

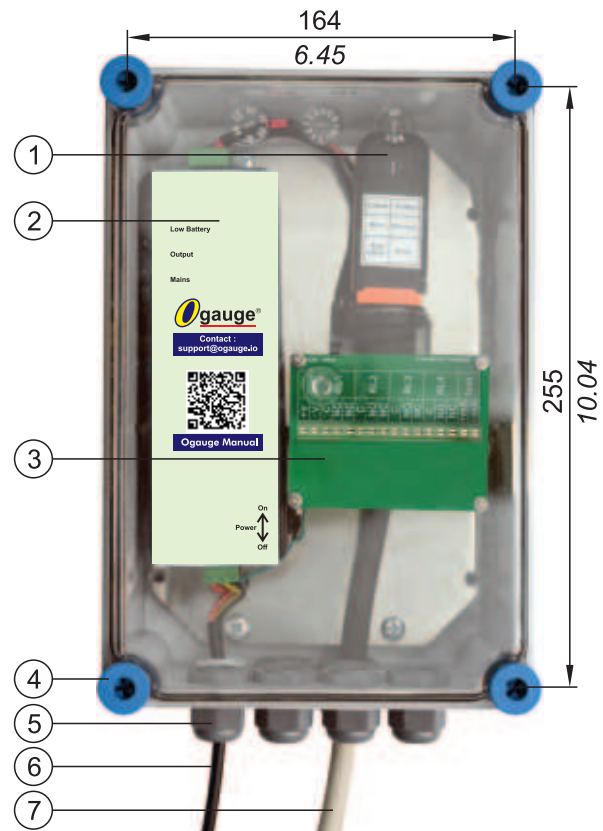
■ Plug and Play Solution

■ Works on 230 VAC

■ 2 hr. Power Back-up Included

1. WiFi Dongle (with active data SIM)*
2. Power Supply with Backup
3. Terminal PCB for Easy Wiring
4. Fitting Screws (4 Nos.)
5. Cable Entry (5 Nos.) M20 x 1.5
6. 230 VAC Input (Connect through 3 Pin Plug)
7. 19 Core Cable (length - 1m)
(Connect to Ogauge using 19 Pin Connector)

*Mobile network needed at installation point



WEB DASHBOARD AND MOBILE APP VIEW



Note : As efforts are made constantly to improve both design and method of manufacture, the apparatus supplied may differ in detail from illustration and data printed. Please check the specifications while ordering



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Kaustubha Udyog

AN ISO9001:2015 COMPANY

S. No. 36/1/1, Sinhgad Road, Vadgaon Khurd, Near Lokmat Press, Pune 411 041. INDIA

Tel. : +91-(0) 20-24393577 / 24393877

Telefax : +91-(0) 20-24393577 / 25460486

Email : sales@ogauge.io

Website : www.ogauge.io