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KYTOLA® OVAL D2 Measuring Station is designed to monitor oil flow rates measured by Model SR oval gear meters in circulation lubrication systems.



MEASURING STATION
OVAL D2

The OVAL D2 measuring station operates as an independent station, or it can be connected to Kytola KVM Suite monitoring software or to customer's PLC or DCS via Modbus RTU protocol.

- Communication with upper level systems
- In excess of 100 measuring stations and thousands of measuring points in one serial line
- Modbus RTU protocol
- Serial interface RS485/RS422
- USB port for local configuration
- Measuring units: L/min, pulses/min, PPM or USGPM
- Kytola coil or NAMUR sensor

ISO 9001 ISO 14001

FEATURES

Painted or stainless steel enclosure, IP 65

Local display and keyboard

Alarm relays, inhibits, and groups

TYPICAL APPLICATIONS

Lubrication oil flow monitoring

Industrial flow monitoring

Process control

OVAL D2 TECHNICAL DATA

Model	OVAL D2
Enclosure	Painted steel (*stainless steel AISI 316), IP65
Supply voltage	24 VDC ±25% / 0.6 A or 110–240 VAC / 50–60 Hz
Ambient temperature	–4...+140°F (–20...+60°C) (relative humidity < 85%, non-condensing)
Display	4 x 20 characters and 4 pushbuttons
Communication	Modbus RTU protocol (RS485/RS422)
Measuring points / station	Max. 64 points
Alarm relays	3 potential-free relays for high-flow, low-flow, and very-low-flow alarms + 1 programmable relay
Alarm inhibition inputs	3 optoisolated inputs to prevent alarms
Sensor types	Kytola coil or NAMUR sensor; EN 60947
Weight	14 lbs (6.2 kg) *On special request

OVAL D2 – ■ – ■ – ■

Number of Measuring Points

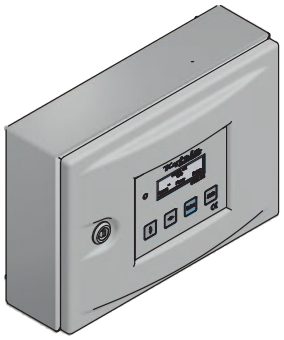
16	**16**
32	**32**
48	**48**
64	**64**

Power Supply

24 VDC ±25% / 0.6A *(standard, leave blank)*	
110–240 VAC / 50–60 Hz	**P**

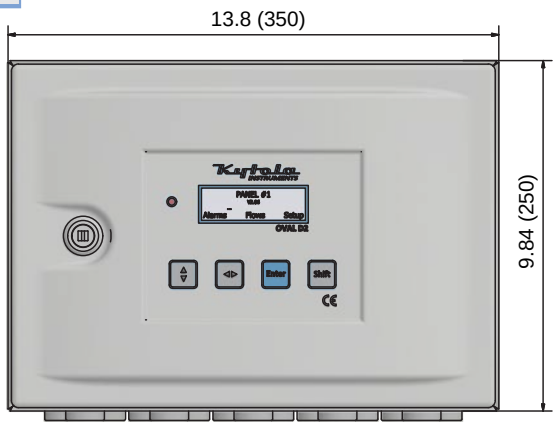
Enclosure

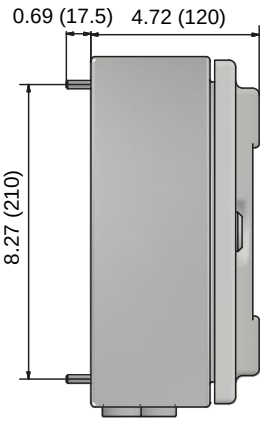
Painted steel *(standard, leave blank)*	
Stainless steel AISI 316	**H**

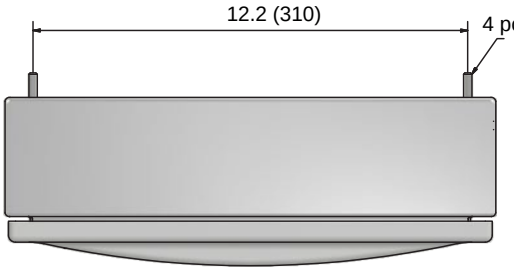




OVAL FLOW panel with OVAL D2 and SR6 meters







NOTE: Measurements in the drawings in this datasheet are in inches (and millimeters) if not stated otherwise.

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Kytola INSTRUMENTS
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MANAGEMENT SYSTEM CERTIFICATION DNV ISO 9001 • ISO 14001

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