



**DON**

## Oval Gear Flowmeter



- Precision Machined Oval Gears
- For Viscosities up to 1,000,000 cPs
- High Pressure Model to 5,800 PSIG
- Aluminum or Stainless Steel Bodies
- Easy to Install in Small Spaces
- Output Options Include: Analog and Frequency Outputs, LCD Totalizers, and Batch Controllers



**Viscous Media  
has Met its Match**



The **DON** and **DON-H** oval gear, positive displacement flowmeters are the preferred choice for measuring clean, low and high viscosity liquids such as: lubricating oils, diesel fuels, chemicals, solvents, resins, and pastes. They deliver precision measurement over a very wide range of viscosities.

The model **DON**, for pressures up to 1,450 PSIG, is available for flow ranges from 0.13...9.5 GPH to 40...660 GPM and for line sizes from 1/8" to 4". This model can handle temperatures up to 300 °F and comes in stainless steel or aluminum bodies. It is available with either NPT or ANSI flange fittings.

The model **DON-H**, for pressures up to 5,800 PSIG, is available for flow ranges from 0.13...9.5 GPH to 0.26...10.6 GPM and line sizes from 1/8" to 1/2". It can handle temperatures up to 250 °F and comes in stainless steel. It is available with NPT fittings.

# DON

## Oval Gear Flowmeter



The **DON** and **DON-H** oval gear, positive displacement flowmeters contain two oval geared rotors that measure a constant volume per rotation. The rotation is detected via magnets embedded within the rotors. These magnets transmit a high resolution pulse output. This signal can be processed externally via a remote display controller or PLC or via a variety of output and display options available as accessories attached to the flowmeter.

Ranges: 0.13...9.5 GPH to 40...660 GPM

Line Sizes: 1/8" ...4"

Fittings: NPT Threaded or ANSI Flanged

Max. Operating Temperature: 300 °F

Standard Maximum Pressure: 1,450 PSIG

High Pressure Model to 5,800 PSIG

Accuracy:  $\pm 0.5\%$  to  $1.0\%$  of Reading

Common Media: Oil, Grease, Paste, Petroleum, Fuels, and Chemicals

Media: Clean, Viscous, Non-abrasive

Viscosities up to 1,000,000 cPs

Protection: IP 66/67



- Economical Pricing
- Liquid Properties have a Minimal Effect on the Performance
- Precision Over a Wide Viscosity Range
- Flow Profile Conditioning is Not Required
- Easy to Install in Small Spaces
- Stainless Steel or Aluminum Bodies
- Available with Pulse Output, LCD Display, 4-20 mA, Alarms, Mechanical Totalizer
- For Vertical or Horizontal Flows
- Bi-directional Flow Sensing with Optional Quadrature Output
- Optional Cooling Fins and Check Valves
- Special Cut Rotors for High Viscosities

# When Quality Counts, Count on KOBOLD

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**KOBOLD Instruments Inc:** For more than 35 years, KOBOLD has been a world leader in process measurement and control solutions. We offer one of the industry's broadest lines of sensors, switches, and transmitters to measure and control flow, pressure, level, and temperature. The **KOBOLD** brand is synonymous with quality, craftsmanship, technological advancement, and cost effectiveness. Our engineers and customer service representatives are ready to help you find the ideal **KOBOLD** solution for your most demanding applications.

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