

SKU IM019P-01

MACNAUGHT IM019P 3/4" Pulse Output Oil Meter

An in-line oval gear oil meter with a reed switch pulse output and no display, measuring 3 to 80 L/min. Sends a pulse signal on a 1 m fly lead to a receiving instrument.


3 to 80 L/min

Flow range

54.6 pulses/L

K-factor, reed switch pulse output

±0.5%

Of reading, tested with lubrication oil at 25 °C

Key features

- Oval gear meter with a reed switch pulse output
- 1 m fly lead to connect a remote counter or controller
- Reed switch is not polarity dependent
- 3/4" BSP female inlet and outlet ports
- Handles fluids up to 1,000 cP
- Electronic module replaceable without isolating flow



Technical data

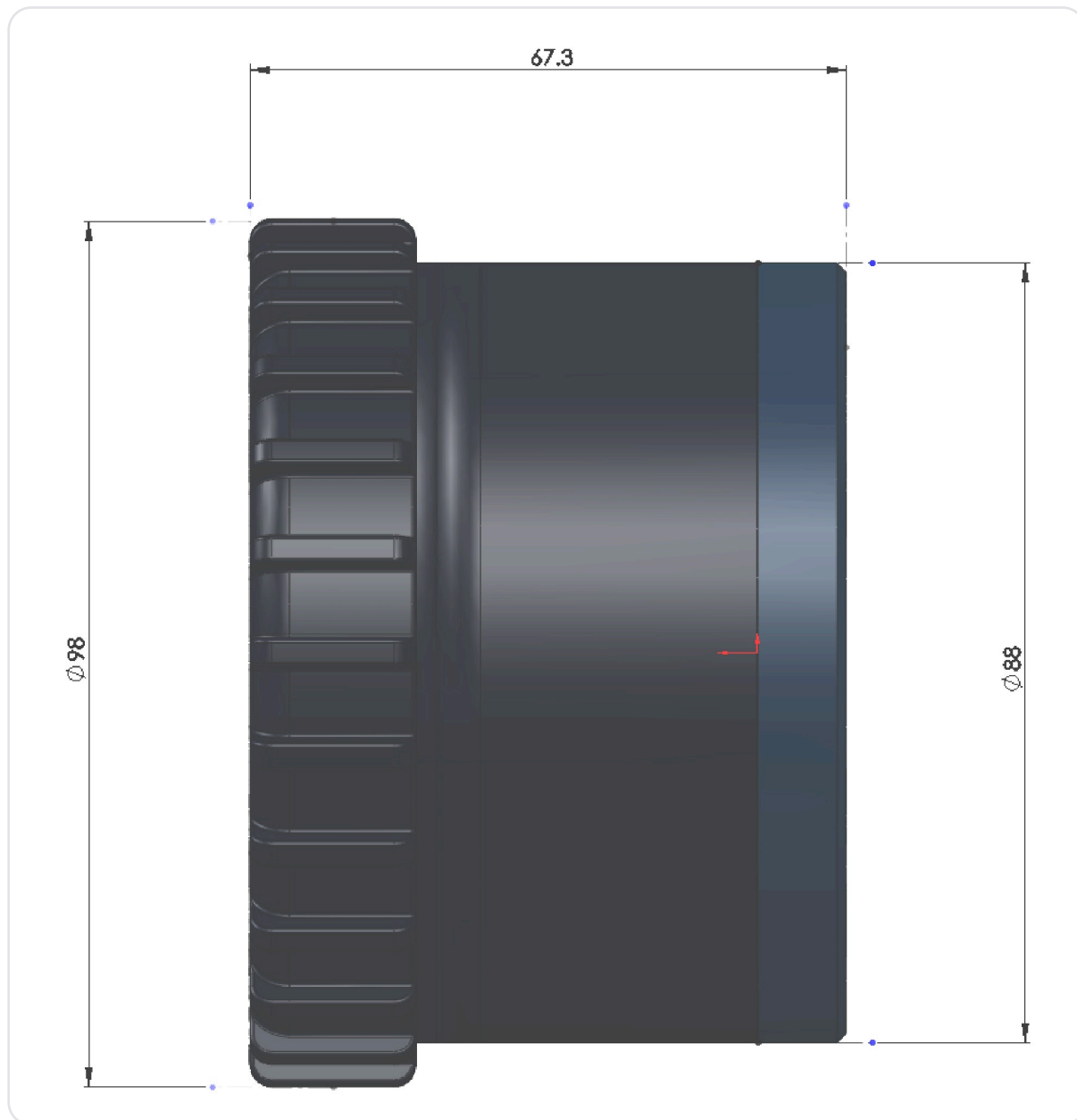
SPECIFICATION	VALUE
Order codes	IM019P-01
Flow range	3 to 80 L/min (0.8 to 21.1 US gal/min)
Accuracy	±0.5% of reading, tested with lubrication oil at 25 °C
K-factor	54.6 pulses/L (206.6835 pulses/US gal)
Connections	3/4" BSP (F) inlet and outlet
Fluids	Oils up to SAE140, automatic transmission fluid, engine, gear and hydraulic oil, coolant, diesel, kerosene
Max viscosity	1,000 cP
Output	Reed switch pulse output, 1 m fly lead, not polarity dependent
Reed switch rating	30 V DC, 0.5 A, 10 W max
Meter type	Oval gear
Wetted materials	6061 T6 aluminium body and cap, Ultem 1000 rotors, NBR O-rings
Spares	PKIT-IM019-MC reed switch electronic module

Installation and use

Fit a strainer before the meter, mount with the shafts horizontal, refill the pipework slowly at commissioning and fit a pressure relief valve against thermal expansion.



Dimensions



Dimensions in mm, as drawn by the manufacturer.