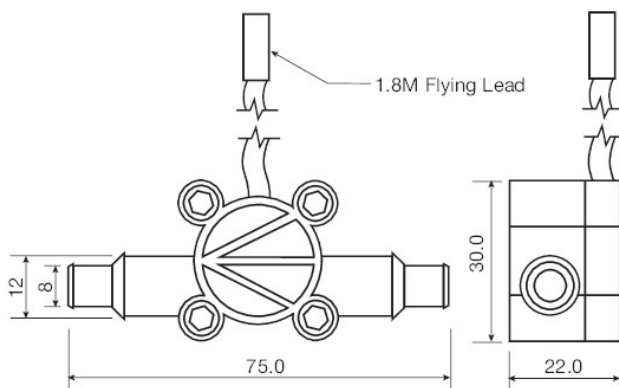


# NSF-Approved 800 Series Flowmeter

**DDM**  
sensor solutions**The distributor**  
of your choice!**IDEAL FOR**

- Liquid batching / dosing
- Food and beverage
- Laboratory tests
- Cooling equipment
- Active flow alarms
- Semiconductor plant
- Engine test

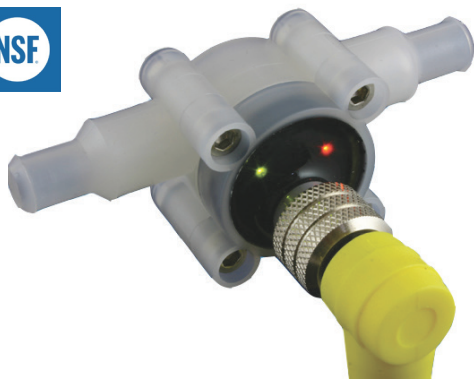
**FEATURES**

- Low cost
- NSF-Approved for use in food and beverage production
- PVDF (PP body available on request)
- 1- 2% FSD
- Sapphire bearings
- Hall Effect sensor
- 6 Flow ranges
- Pulse output (NPN Standard with PNP Option)
- 10 bar rating
- Viton™ seal as standard
- 8mm and 12mm hose;  $\frac{3}{8}$  John Guest connection
- 0.1% Repeatability
- 4.5 to 24Vdc
- -25°C Min to 125°C Max
- IP65
- Standard cable length of 2m

**TITAN ENTERPRISES LTD.**  
**[www.flowmeters.co.uk](http://www.flowmeters.co.uk)**

Distributor: DDM GmbH &amp; Co. KG

Phone: +49 661 967 962-0 >>> Email: [info@ddm-sensors.de](mailto:info@ddm-sensors.de) >>> Web: [www.ddm-sensors.de](http://www.ddm-sensors.de)



## Ordering Codes

Model
803
815
845
865
810
824
Seal Materials
V = Viton™
N = Nitrile
E = EPDM
S = Silicon
Output Options
O = Standard NPN (<125°C)
2 = NPN - PNP (< 60°C)
Body Material
P = PVDF
Calibration
O = Standard
U = Uncalibrated
Options
- Poly
- JG

e.g. **865-VOP-O** is a flow range of 0.25 to 6.5 L/min, Viton™ seal, standard NPN, PVDF bodied flowmeter with a 6 point traceable water calibration and no additional options.

## Standard Materials of Construction

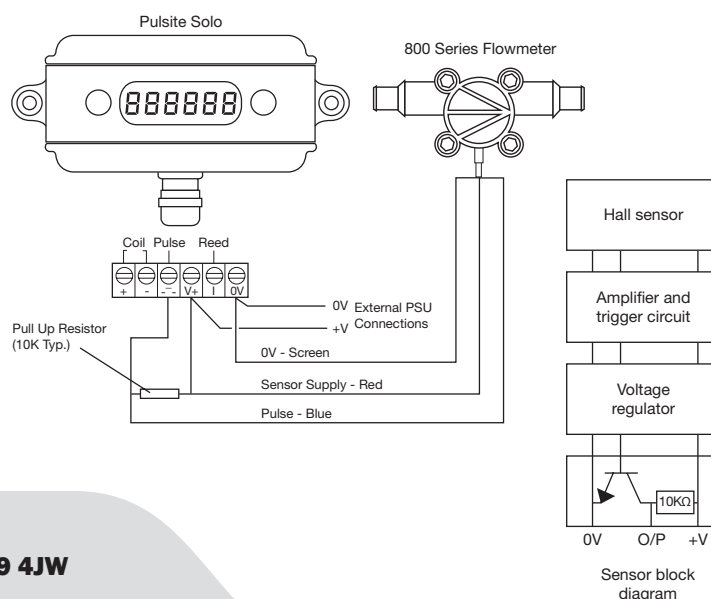
Body and cap	- PVDF
'O' Ring seal	- Viton™
Magnets	- Over-moulded
Bearings	- Sapphire

At the heart of the meter is a precision turbine that rotates freely on robust sapphire bearings and contains over-moulded magnets that are detected through the chamber wall by a Hall effect detector. The output is a stream of NPN/PNP pulses that are readily interfaced with most electronic display or recording devices, such as Titan's Pulsite® Solo. The combination of materials and technology ensures a long life product with reliable operation throughout. There are two temperature options of 125°C or 60°C. The 60°C unit is fitted with two LEDs to monitor the power and pulse output.



## TECHNICAL SPECIFICATIONS

Model	Flow range L/Min	Linearity % FSD	Typical Freq. Hz.	Approx 'K' Factor
803	0.05 - 0.5	2.0	142	17000
815	0.12 - 1.5	2.0	175	7000
845	0.20 - 4.5	1.5	260	3500
865	0.25 - 6.5	1.5	230	2100
810	0.30 - 10.0	1.0	235	1420
824	0.50 - 15.0	1.0	245	980
Weight	0.050kg			



## TITAN ENTERPRISES LTD.

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