

IMPELLER FLOWMETERS AND PACKAGED ASSEMBLIES



UTILITY – tangential flowmeters

The UM series is specifically engineered for the most common liquid transfer and monitoring applications within industrial plants, mining sites, automotive service centers and refueling installations.

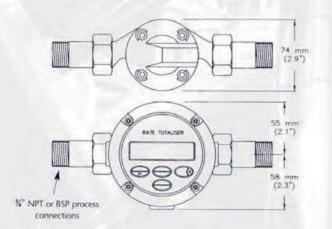
Monitoring & controlling the movements of water, fuels & other low viscosity liquids under pumped or gravity conditions in small pipe sizes is widespread. The UM flowmeter provides a cost effective & reliable solution with a variety of versatile options.

FEATURES:

- High accuracy & repeatability.Low cost of ownership, wide flow turndown.
- Rugged & compact design.
- Intrinsically safe hazardous area versions. Integral flow conditioning & strainer.

STANDARD OPTIONS :

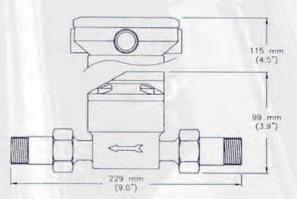
LCD totaliser-batch totaliser, flow rate totalisers, scaled pulse, 4–20mA & flow alarm outputs, packaged electronic batch control system and pulse processing modules.



GENERAL SPECIFICATIONS

Model prefix :	Flowmeter	Batch system
Nominal size	20mm (3/4" BSP or NPT male threaded)	
Flow range	1 ~ 70 litres/min (0.3 ~ 18 USGM)	
Accuracy	± 1.5% of reading (70:1 turndown) ± 0.5% for 20:1	
Temperature range	5°C ~ 90°C (40°F ~ +194°F) - 10bar (150psi)	
Maximum pressure	10 bar <i>(150 psig)</i>	
Power requirement	self powered or 5~30Vdc	24Vdc
Protection class	IP 66.67, optional I.S.	IP 66/67 (NEM A 4X)
Materials	brass body, PP impeller with ruby bearing	
Electrical (see also option	al outputs)	
Output pulse resolution	Reed switch & Hall Effect 20 PPL (76 PPG)	
* Reed switch output	30Vdc x 200mA max.	
Hall effect output	3 wire NPN open collector, 5~24Vdc, 20mA max.	

* Maximum thermal shock 10°C (50°F) / min. applies to the reed switch



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