



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 (150 psig)	
Power requirement	self powered or 5~30Vdc	24Vdc
Protection class	IP 66,67, optional I.S.	IP 66/67 (NEMA 4X)
Materials	brass body, PP impeller with ruby bearing	
<i>Electrical (see also optional outputs)</i>		
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

