DATA SHEET

UGT UMWELT GERÄTE TECHNIK

The Solutionists

Tipping counter

Tipping counters are volumetric flowmeters for the continuous recording of small, even partially drying up discharge volumes.

Advantages:

- ✓ Low cost flow measurement
- ✓ Robust and corrosion-free made of V2A steel, inert to water of various origins and compositions
- ✓ Data logger & software included
- ✓ Durable design, low-maintenance operation

Areas of application

Tipping counters are particularly suitable for small, highly fluctuating or temporarily drying up discharge volumes. They offer a highly time-resolved, automated alternative to leaching tests. They are often used for monitoring seepage or leakage, as they can also be used for slightly polluted water, with a high solids content.

- ✓ Recording of seepage rates in lysimeters, landfills or leakage from dams, reservoirs or similar.
- ✓ In combination with the Run Off system, tipping counters enable the determination of surface runoff from inclined planes. Surface runoff plays a definitive role in the hillslope hydrology of small watersheds.
- ✓ In combination with the H-Flume, tipping counters enable high measurement accuracy of runoff at low flows and higher flows in open channels.

Interested?
Simply get a non-binding offer.

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Models and sizes

Our tipping counters made of V2A steel are very robust and inert to water of different origin and composition. Due to the stable material, significantly larger designs are possible than with plastic tipping meters. To meet all flow volumes, these tipping counters are available with a wide range of tipping pan sizes from 0.1 - 20 L.

Up to a tipping pan volume of three liters, the tipping counters can be equipped with a connection for aliquot sampling. For each tipping, 0.1...3 % aliquot is then filled into a PE collection bottle for further analysis in the laboratory via an outlet connection with hose connection and shut-off valve.

Variant: Polycarbonate tipping counter

This tipping counter made of polycarbonate, with a tipping bowl volume of 0.1 l, is particularly suitable for recording small flow rates and can be used up to a maximum volume flow of 5 l/min. It offers a low-cost alternative to the V2A tipping counters and is just as weather-resistant. In addition it is food-safe and can therefore also be used in drinking water.

Technical data and order numbers

#	VOL	Flow rate	Material	Construction	Sampling?	Dimensions
1900220	0,04 L	0,07 L/min	Polyamide	open	no	13 x 5 x 2,5 cm
1911000	0,1 L	2 L/min	Polycarbonate	closed	possible	23 x 22 x 19/12 cm
1920000	0,1 L	2 L/min	V2A steel	closed	possible	33 x 21,2 x 21 cm
1920500	0,25 L	4 L/min	V2A steel	Closed	possible	29 x 23 34 cm
1921000	0,5 L	7 L/min	V2A steel	closed	possible	28 x 35 x 28 cm
1922000	1 L	12 L/min	V2A steel	closed	possible	28 x 35 x 42 cm
1923000	2 L	24 L/min	V2A steel	closed	possible	36,5 x 37 x 41 cm
1924000	3 L	36 L/min	V2A steel	closed	possible	42 x 46 x 45 cm
1925000	5 L	60 L/min	V2A steel	open	no	61 x 36,5 x 29 cm
1926000	10 L	120 L/min	V2A steel	open	no	70 x 43 x 36 cm
1925100	20 L	240 L/min	V2A steel	open	no	88 x 55 x 45 cm

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