

## Basic unit specifications



Measurable media	Conductive Fluids
Min. Media electrical conductivity	$\geq 5 \mu\text{S/cm}$ / $\geq 20 \mu\text{S/cm}$ for demineralised water
Flow range	0.015 – 10000 l/s
Displayed Values	Flow-rate (m <sup>3</sup> /hr, l/s, l/m, US.gal/min, UK.gal/min), Volume (m <sup>3</sup> , l, US.Gal, UK.gal), Positive, negative, total volume and auxiliary (clearable) volume, sensor temperature
Accuracy	0,25% (0.5 to 10 m/s) of reading value
Flow Direction	Bi-directional measurement
Ambient temperature	-20°C to 60°C (-4°F to 140°F)
Display	Graphic LCD 132 x 64 Dots
Controls	6 push-buttons + communication modules (optional)
Low-flow cut-off	0.5%, 1%, 2%, 5%, 10% of Flow Range
Time delay	Programmable value (0-25s; default value is 5s)
Max. electronics weight (including housing)	2kg
Housing material	Aluminium + powder coating
Housing Dimensions	130x134x134mm
Cable Terminal	3+1x M16x1,5 IP68 cable terminals
Electronics Protection	Standard IP67 / NEMA 5
Other features	Auto-diagnostics
	Multi-language options (English and Spanish standard; other languages possible)
	Indicative temperature measurement up to 150 degrees C. (10% max. error)
Power Supply options	95-230 VAC 50/60 Hz (+10%, -15%) or 24 VDC
Power Consumption	Max. 15VA



REMOTE WALL MOUNTING



REMOTE DIN-RAIL MOUNTING



REMOTE PANEL MOUNTING

## Remote Mounting

Remote connection cable	UNITRONIC® LIYCY (TP) 0035 830, 2x2x1,0
Wall mounting	
Panel mounting	Max. panel thickness; 5mm
DIN-rail mounting	
Sensor junction box	30x40x40mm

## Sensor specifications



Connection types	DIN & ANSI Flanged
Nominal size	10-1000mm (1/2"-40")
Flange	Carbon steel (DIN 1.0038), dimensions according to DIN 2576, ANSI B 16.5
Maximum nominal pressure	PN40 / 300psi
Max. Media Temperature	70°C (158°F) for Hard rubber liner, 130°C (266°F) for PTFE liner
Sensor Protection	Remote IP68 (NEMA 6), Compact IP67 (NEMA 5)
Liner material options	Hard Rubber, PTFE
Electrode material options	1.4571 Stainless Steel, Tantalum, Hastelloy C276, Titanium, Platinum
Measuring tube material	Non-magnetic stainless steel 1.4301
Outer casing	Carbon steel (DIN 1.0036) as standard
External coating	Epoxy finish, RAL 5010
Other features	Empty-pipe detection through 3rd electrode
	Earthing through 3rd electrode

### Optional output modules



<b>Current Loop output module</b>	4-20 mA, with programmable flowrate and function
<b>Voltage output module</b>	0-10 V, with programmable flowrate and function
<b>Frequency output module</b>	0.25-10 kHz opto-coupler, with programmable flowrate and function
<b>Binary input/output module</b>	2x 5-30 V power opto-coupler, with programmable flowrate and function and 1x digital input with programmable function for batching purposes

### Optional digital outputs/communication modules

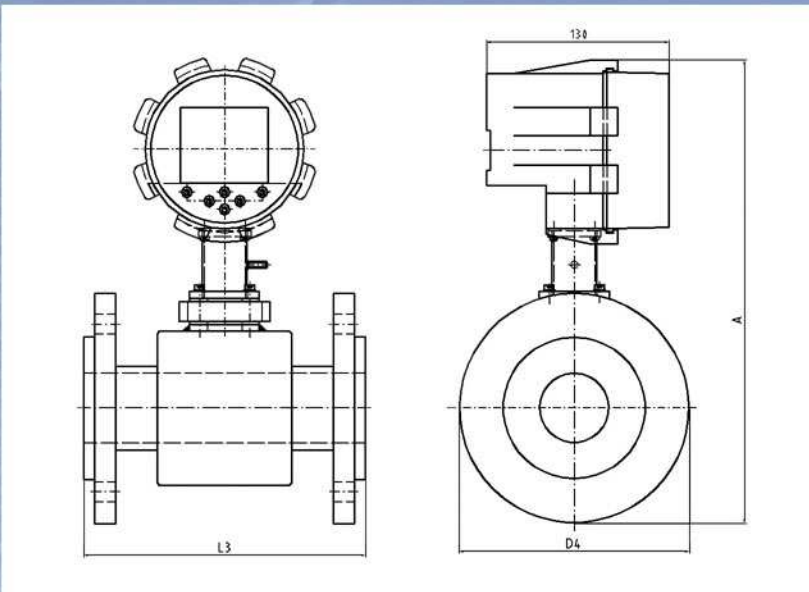


<b>RS232</b>	Including RS232 type A cable
<b>RS485</b>	
<b>USB</b>	Including USB-type A/B cable (1,8m)
<b>IRDA</b>	Infra-red communication, distance 2m
<b>TCP/IP</b>	TCP/IP internet communication, amplifiers might be necessary
<b>Wireless</b>	Wireless with antenna. Distance 20m indoor, up to 100m in open space

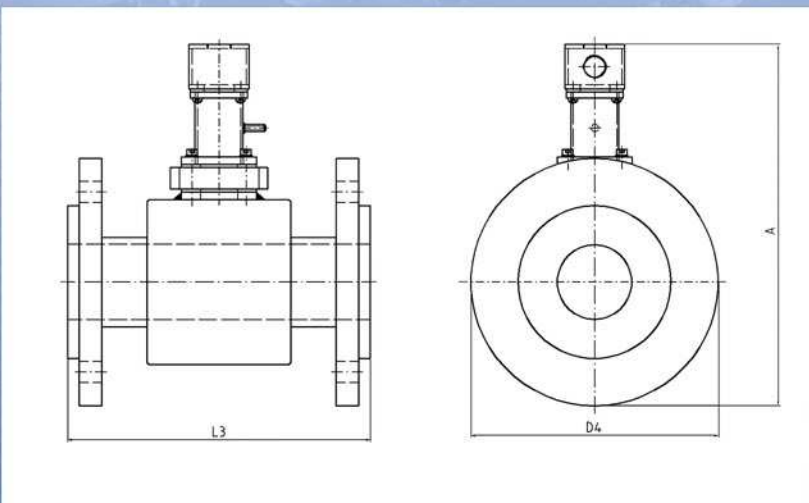
### Optional real-time and data-logger/memory modules



<b>Data-logger/Memory module</b>	5 min average flow rate; hourly, daily, monthly volume; including date and time .Up to 1 year logging capacity. Software included.
<b>Real Time Clock module</b>	Real time circuit for data-logging, clock and calendar with back up.



DN/PN16	A [mm]	D4 [mm]	L3 [mm]
10	279	90	200
15	284	95	200
20	291	105	200
25	300	115	200
32	315	140	200
40	324	150	200
50	338	165	200
65	358	185	200
80	376	200	200
100	396	220	250
125	424	250	250
150	455	285	300
200	514	340	350
250	586	405	450
300	644	460	500
350	705	520	543
400	760	580	593
450	805	615	593
500	885	715	593
600	1000	840	597



DN/PN16	A [mm]	D4 [mm]	L3 [mm]
10	185	90	200
15	190	95	200
20	197	105	200
25	205	115	200
32	221	140	200
40	230	150	200
50	244	165	200
65	264	185	200
80	282	200	200
100	302	220	250
125	330	250	250
150	361	285	300
200	420	340	350
250	492	405	450
300	550	460	500
350	610	520	543
400	665	580	593
450	710	615	593
500	790	715	593
600	908	840	597

<b>Conformity Requirements</b>	EN 61010-1: 2003
	EN 61000-3-2: 2000, A1: 2001, A2:2004
	EN 61000-3-3: 1995, Cor. 1:1997, A1:2001
	EN 61326: 1997 + A1: 1998, Cor. 1:1998 + A2: 2001 + A3: 2001, Table A.1
	EN 61326: 1997 + A1: 1998 + Cor: 1998 + A2: 2001, + A3: 2003, Class A