

General specifications							
Device name	ALCMORA						
Model name	LLT1						
Order number	70.xxx / 71.xxx (LCD-Version)						
Measuring ranges	<ul style="list-style-type: none"> • 10 ml/min • 25 ml/min • 500 ml/min • 1000 ml/min • Other measuring ranges on request* 						
Accuracy	Up to full scale 25 ml/min: $\pm 2.5\%$ rd. or $\pm 0.15\%$ fs. whichever is greater Up to full scale 1000 ml/min: $\pm 2\%$ rd. typical, $\pm 6\%$ rd. maximum						
Dynamics	1:10 (10...100%)						
Resolution	<table border="0"> <tr> <td>0,1 ml/min</td> <td>up to full scale: 25 ml/min</td> </tr> <tr> <td>1 ml/min</td> <td>up to full scale: 500 ml/min</td> </tr> <tr> <td>1 ml/min</td> <td>up to full scale: 1000 ml/min</td> </tr> </table>	0,1 ml/min	up to full scale: 25 ml/min	1 ml/min	up to full scale: 500 ml/min	1 ml/min	up to full scale: 1000 ml/min
0,1 ml/min	up to full scale: 25 ml/min						
1 ml/min	up to full scale: 500 ml/min						
1 ml/min	up to full scale: 1000 ml/min						
Additional selectable units	l/h, in ³ /min						
Totalisator	Total ml or total l						
Sensor technology	Unidirectional sensor, temperature compensated						
Pressure direction	Only positive flow Calibrated at 20°C						

Signal outputs	
Voltage output	<ul style="list-style-type: none"> • 0..10V - unidirectional sensor
Current output (optional)	<ul style="list-style-type: none"> • 4...20mA - unidirectional sensor
Digital output	USB serial converter integrated, bidirectional communication

Power supply	
Power supply	12V...24V DC / regulated
Power consumption	Typical 70mA at 12V, 55mA at 24V plus current output
Electrical connection	4 pin. connector, type Conec SAL8

Operating limits	
Temperature range	Up to full scale 25 ml/min: 5...50°C Up to full scale 1000 ml/min: 5...85°C
Max. permissible pressure	Up to full scale 25 ml/min: 5 bar Up to full scale 1000 ml/min: 8 bar
Warm-up time	10 min min for optimal results
Medium	non-corrosive liquids

USB interface	
USB port	USB type B / mini
Transmission parameters	Baud rate: 9600 Data bits: 8 Stop bits: 1 Parity: none Flow control: Xon / Xoff

Mechanical properties	
Pressure connections	Hose connection with union nut: <ul style="list-style-type: none"> • 6/4 (4mm inside) – standard Plug-in hose connection: <ul style="list-style-type: none"> • 6/4 (4mm inside)
Dimensions	155 x 80 x 70 mm
Weight	400 g
Housing material	ABS
Mounting position	Any
Protection class	Splash-proof IP65

Scope of supply	
Accessories (included)	Connector 4-pin, incl. Cabel 2m, Type Conec SAL8 (SAL8 RS42)

Options	
LCD display	Large graphics display
USB interface	External IP65 protected USB interface
Current output	4...20mA
Digital output	Bluetooth, virtual com-port
Enclosure	Tool-less opening

* On request (not available for all devices / see onlineshop)