General specifications	
Device name Model name Order number	BOREAS LFT1 80.xxx / 81.xxx (LCD-version)
Measuring ranges	• 10 Nml/min • 20 Nml/min • 30 Nml/min • 100 Nml/min • 200 Nml/min • 300 Nml/min • 1000 Nml/min • 2000 Nml/min • 3000 Nml/min
Accuracy	± 1% rd. + 0,5% fs.
Dynamics	1:10 (10…100%)
Resolution (switchable)	0,001 / 0,01 Nml/min up to 30 Nml/min 0,01 / 0,1 Nml/min up to 300 Nml/min 0,1 / 1 Nml/min up to 3000 Nml/min
Additional selectable units	l/h, cm³/min, cm³/sec, in³/min
• Adjustable gas standards	• Din 1343 – (1013mbar / 0°C) • Din 102 – (981mbar / 20°C) • 936mbar / 20°C • 1013mbar / 20°C • 760mmHg / 25°C • ISO 2533 – (1013mbar / 15°C)
Sensor technology	Unidirectional sensor, temperature compensated
Flow direction	Only positive flow Calibrated at DIN 1343

Signal outputs	
Voltage output	0..10V - unidirectional sensor (0V…+10V)
Current output (optional)	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	0…50°C
Max. permissible flow	20 l/min
Max. permissible both side pressure	• 25 PSI • 100 PSI – optional*
Warm-up time	30 min min for optimal results
Medium	Air and dry, non corrosive gases

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: • 6/4 (4mm inside) – standard Plug-in hose connection: • 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)