| General specifications | | |
|---|---|---|
| Device name<br>Model name<br>Order number | LIPS<br>LFT2<br>82.xxx | |
| Measuring ranges | • 10 Nml/min<br>• 20 Nml/min<br>• 30 Nml/min<br>• 100 Nml/min<br>• 200 Nml/min<br>• 300 Nml/min<br>• 1000 Nml/min<br>• 2000 Nml/min<br>• 3000 Nml/min | |
| Accuracy | ± 1% rd. + 0,5% fs. | |
| Dynamics | 1:10 (10…100%) | |
| Resolution (switchable) | 0,001 / 0,01 Nml/min<br>0,01 / 0,1 Nml/min<br>0,1 / 1 Nml/min | 0,001 / 0,01 Nml/min<br>0,01 / 0,1 Nml/min<br>0,1 / 1 Nml/min |
| Additional selectable units | l/h, $cm^3$/min, $cm^3$/sec, $in^3$/min | |
| Adjustable gas standards | • Din 1343 – (1013mbar / 0°C)<br>• Din 102 – (981mbar / 20°C)<br>• 936mbar / 20°C<br>• 1013mbar / 20°C<br>• 760mmHg / 25°C<br>• ISO 2533 – (1013mbar / 15°C) | |
| Sensor technology | Unidirectional sensor,<br>temperature compensated | |
| Flow direction | Only positive flow<br>Calibrated at DIN 1343 | |

| Signal outputs | |
|---|---|
| Voltage output | 0..10V - unidirectional sensor<br>(0V…+10V) |
| Current output (optional) | 4…20mA - unidirectional sensor |
| Digital output | USB serial converter integrated,<br>bidirectional communication |

| Power supply | |
|---|---|
| Power supply | 12V…24V DC / regulated |
| Power consumption | Typical 70mA at 12V, 55mA at 24V<br>plus current output |
| Electrical connection | 5 pin. connector, type MC000091 |

| **Operating limits** | |
|---|---|
| Temperature range | 0…50°C |
| Max. permissible flow | 20 l/min |
| Max. permissible both side pressure | • 25 PSI<br>• 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<br>Data bits: 8<br>Stop bits: 1<br>Parity: none<br>Flow control: Xon / Xoff |

| **Mechanical properties** | |
|---|---|
| Pressure connections | Hose connection with union nut:<br>• 6/4 (4mm inside) – standard<br>Plug-in hose connection:<br>• 6/4 (4mm inside) |
| Dimensions | 100 x 75 x 155 mm |
| Weight | 350 g |
| Enclosure material | Noryl (PPE) |
| Mounting position | Any |
| Protection class | None |

| **Scope of supply** | |
|---|---|
| Accessories (included) | Connector 5-pin, Typ MC000059 |

| **Options** | |
|---|---|
| Current output | 4…20mA |
| Digital output | Bluetooth, virtual com-port |

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