



INDUSTRY
4.0 READY



LDS3000 AQ Accumulation Leak Detector

LDS3000 AQ finds fluid leaks with the reliability of vacuum testing at nearly the cost of air testing

- Bridging the gap between air testing and vacuum testing
- Uses low cost forming gas – no need for helium
- Temperature and humidity independent
- Smallest detectable leak rate down to the 10^{-5} mbar l/s range
- Fast measurements
- Easy setup with Assistant AQ



TECHNICAL DATA

| | |
|--|---|
| Minimum detectable forming gas or helium leak rate | 1 x 10 ⁻⁵ mbar l/s |
| Measurement range | 5 decades |
| Test chamber pressure | 1 atm |
| Time constant of the leak rate signal | <1 s |
| Gas sensor | 180° sector field mass spectrometer |
| Run up time | <3 min |
| Field buses available | PROFIBUS, PROFINET, DeviceNet, EtherNet/IP |
| Connections | ISO-KF DN16 |
| Control input | SPS-compatible (max. 35 V) |
| Status / trigger outputs | 8 x relay contacts (max. 25 V (ac) / 60 V (dc) / 1 A) |
| lin/log recorder output | 0 - 10 V |
| Dimensions (L x W x H) | 13 x 9.45 x 11.1 in. (330 x 240 x 280 mm) |

ORDERING INFORMATION

BASIC UNITS:

| Product | Cat. no. |
|---|----------|
| LDS3000 AQ (incl. inlet system and special accumulation Software) | 560-600 |
| I/O 1000 module (input/output) | 560-310 |
| BM1000 bus module | |
| Profibus | 560-315 |
| Profinet | 560-316 |
| DeviceNet | 560-317 |
| EtherNet/IP | 560-318 |
| Data cable (MSB-I/O1000) | |
| 2 m cable length | 560-332 |
| 5 m cable length | 560-335 |
| 10 m cable length | 560-340 |

An I/O1000 module or BM1000 module as well as a data cable are necessary for the operation of an LDS3000 AQ. The data cables can be used for connecting to an I/O1000 module or a BM1000 module and the CU1000 operating unit.

OPTIONS:

| | |
|--------------------------------|---------|
| CU1000 Control unit | 560-320 |
| DIN rail power supply 24V, 10A | 560-324 |

| Product | Cat. no. |
|---------------------------|----------|
| Diaphragm pump LDS3000 AQ | 560-630 |

