



**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 <sup>-5</sup> 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

