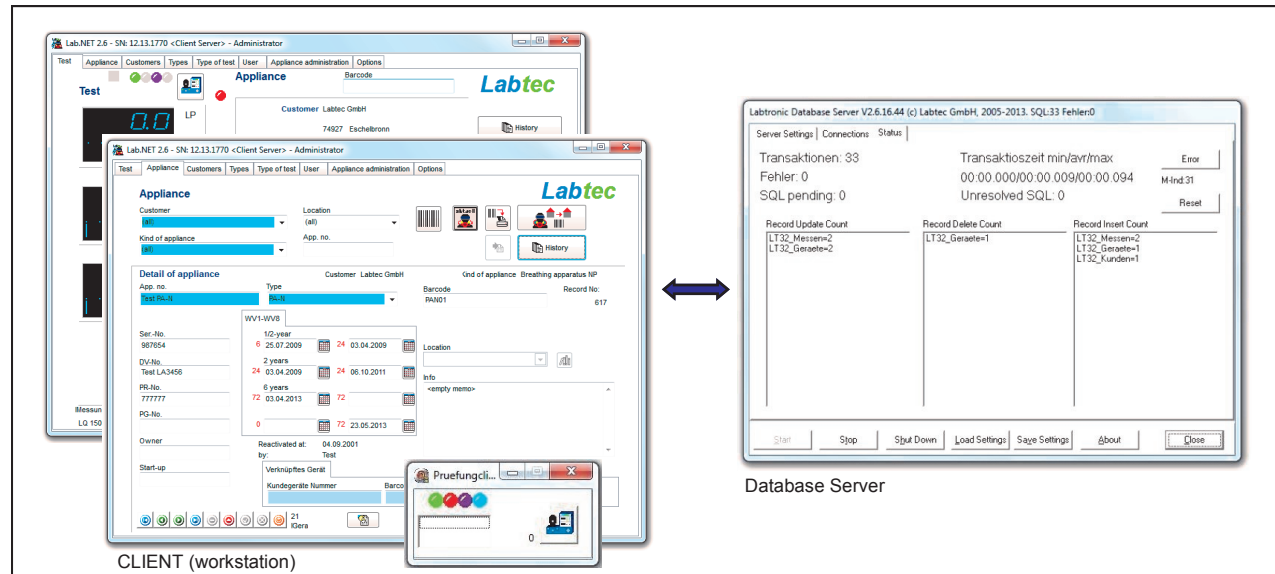


Testing and device management software Lab.NET



- ✓ for use with LabModul test benches, optionally selectable for fully automatic, semi automatic and step-by-step test operation
- ✓ available as a single workstation or client-server solution for multiuser systems, thus compatible with network standard
- ✓ simple and clear operation by menu-guided software setup
- ✓ freely configurable and customizable by the user to the test conditions and procedures
- ✓ extensive types database with test values of all known manufacturers included
- ✓ integrated scheduler for testing, service and maintenance intervals, freely adjustable by the user
- ✓ extensive possibilities for evaluating, selected for customers, equipment, tests, service and maintenance periods etc.
- ✓ device identification via barcode or transponder with appropriate hardware
- ✓ ability to export data in different file formats

- ✓ compatible by integrated interfaces to following systems:

ARIGON®
... the modular software system for BOS



ARIGON® PLUS
... the open and scalable safety management system

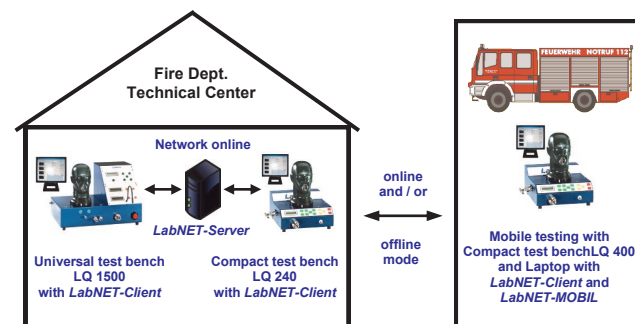


.... as well as through an open MasterDB interface for connection to other programs

- ✓ optionally available software expansion

Lab.NET MOBIL

supplementary software tool for Lab.NET client-server version for on-/offline mode from LabModul test benches in parallel operation. With this application you can use test benches offline without the need of a connection to a network. After reconnection to network and change to online mode, all offline generated data will be synchronized with the main database on the database server.

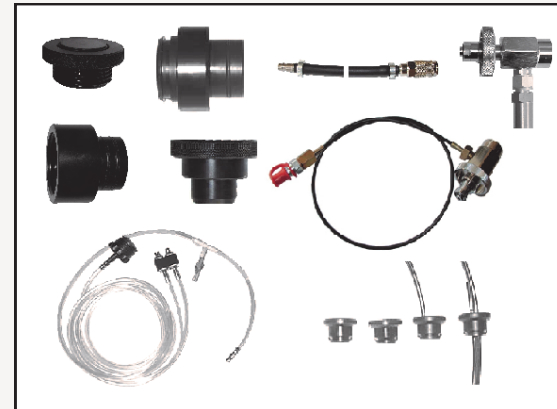


Accessories

• Adapter and connection accessories

The widest product range of adapters for connection and testing of all known masks, respirators and CPS in the market.

Connection sets to high pressure supply of the test equipment



• HMC test mounts

for quick and simple adaption of HMC-masks on the test head



• Quick Tension Adjuster PSE

for quick adaption of a 300 bar breathing apparatus to Labtec test benches



• Barcode identification systems

Barcode scanner corded with a 1,5 m long cable or wireless hand held with mobile receiver for direct data input and identification using test software Lab.NET

Barcode printer for direct printing of barcodes in different modes using test software Lab.NET



• Transponder identification systems

Transponder read equipment for direct data input and identification using test software Lab.NET











Labtec

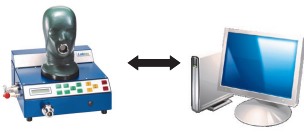
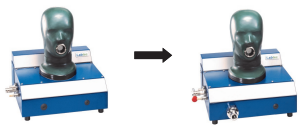
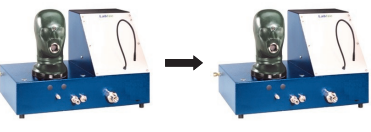




SCBA test technology

safe - comfortable - independent of manufacturer



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	Manual devices	Modular and electronic devices			Options LabModul							
Pressure range / Application: Testing for:	Series / Type Electropneumatically without PC connection • Compact table housing • Inflatable test head • Analogue measurement technology • Pressure gauge Cl. 1,6 • Not expandable	Series / Type Fully electronically, opt. with PC connect. • Compact table housing • Inflatable test head • Digital measurement technology • Manual operation • Expandable with Upgrade-Kit BL-IO* for fully automatic operation	Series / Type Fully automatically with PC connection • Compact table housing • Inflatable test head • Digital measurement technology • Modular construction • Freely selectable options • Type 240 upgradeable to 400*	Series / Type Fully automatically with PC connection • Compact table housing • Inflatable test head • Digital measurement technology • Modular construction • Freely selectable options • Type 800 upgradeable to 1600*	Lab Modul	Upgrade-Kit BL-IO	Upgrade 240-400	Upgrade 800-1600	T (terminal)	R (regulator)	COM (PC)	+ (redundancy)
<ul style="list-style-type: none"> Low pressure -30...0...+30 mbar Medium pressure 0...25 bar Electric pump ± 0-10 l/min. Masks, Demand valves, Breathing apparatuses, Chemical protection suits	Labtest 240 	LabModul 240MT 	LabModul 240* 		240MT	+	+		✓		+	
					240		+		+		+	
<ul style="list-style-type: none"> Low pressure -30...0...+30 mbar Medium pressure 0...25 bar High pressure 0...330 bar Electric pump ± 0-10 l/min. High pressure air supply and device connection 300 bar Masks, Demand valves, Breathing apparatuses, Chemical protection suits, SCUBA	Labtest 400 	LabModul 400MT 	LabModul 400 	LabModul 800* 	400MT	+			✓		+	
					400				+		+	
					800			+	+	+	+	+
<ul style="list-style-type: none"> Low pressure -30...0...+30 mbar Medium pressure 0...25 bar High pressure 0...330 bar Electric pump ± 0-10 l/min. High pressure air supply and device connection 300 bar Breathing machine Masks, Demand valves, Breathing apparatuses, Chemical protection suits, SCUBA, Closedcircuit BA, Hose-BA				LabModul 1600 	1600				+	+	+	+

exclusiv BL-IO* Upgrade kit for the manual test equipment LabModul 240.MT and LabModul 400.MT to fully automatic operation with your standard PC, including test software Lab.NET 	exclusiv UP240-400* Upgrade kit for LabModul 240 , factory retrofitting to LabModul 400 with complete high pressure parts, High pressure measure system and firmware update 	exclusiv UP800-1600* Upgrade kit for LabModul 800 , factory retrofitting to LabModul 1600 with complete breathing machine incl. control system and firmware update 	exclusiv T (terminal) Integrated terminal with keyboard and LCD display for manual operation of the test equipment, that can also be used without PC 	exclusiv R (regulator) Adjustable high pressure reducer 0...400 bar for adjusting the desired inlet pressure 	COM (PC) Integrated touchscreen PC, tiltable in all directions, complete with Lab.NET Software installed 	exclusiv Plus Unique safety by redundancy of measurement technology for test systems LabModul 800 and LabModul 1600 available! 
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Test possibilities with Labtest and LabModul test equipment

Tests	Labtest / LabModul		
	240	400 / 800	1600
Masks			
Tightness			
- in negative pressure	+	+	+
- in positive pressure	+	+	+
Opening pressure of the I- and O-Valves			
- at # l/min extraction	+	+	+
- at variable respiration			+
Breathing apparatus			
Demand valve			
- tightness in positive pressure	+	+	+
- tightness in negative pressure	+	+	+
- tightness metering valve (pressure change after # min.)	+	+	+
- opening pressure at # l/min extraction	+	+	+
- activation pressure at # l/min extraction	+	+	+
- static over pressure	+	+	+
- dynamic over pressure at # l/min extraction	+	+	+
- inhalation resistance at variable respiration			+
Pressure gauge comparison			
- to 4 different adjustments		+	+
Acoustic warning device			
- operating pressure at pressure reduction		+	+
- operating pressure at # l/min extraction		+	+
- measuring the middle pressure increase at pressure drop		+	+
Pressure reducer			
- middle pressure static	+	+	+
- tightness (middle pressure change after # min.)	+	+	+
- dynamic middle pressure at variable respiration			+
Safety valve			
- opening pressure			+
- closing pressure			+
Complete apparatus			
- high pressure tightness		+	+
- exhalation resistance at variable respiration			+
CPS			
Tightness			
- of the suit	+	+	+
- of the over pressure valves	+	+	+
SCUBA			
Additional tests to breathing apparatus			
Resistance warning device			
- activation pressure of the reserve		+	+
- activation pressure at extraction		+	+
- closing pressure at pressure increase		+	+
- activation pressure at respiration		+	+
- activation pressure (Specht) at pressure reduction		+	+
Closedcircuit-BA			
Additional tests to breathing apparatus			
- activation pressure of the low pressure warning		+	+
- draining valve			+
- over pressure valve			+
- constant dosage			+
- minimum valve			+
- bypass valve			+
- residual pressure warning			+

Content correct when prepared. Subject to change with ongoing technical advances.