



Leak Test Panel Series 400

Multifunctional and graphical

The Multifunctional Panel

The Series 400 highlights at a glance



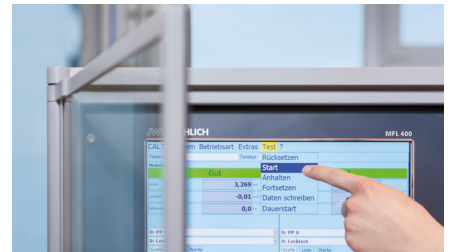
Basic features

Single and multiple channel measuring system
Pressure decay/increase method
Relative or differential pressure
Mass flow measurement
Electronic proportional pressure regulator
32 test programmes



Data communication

RS 232 and Profibus interfaces
Profinet, Ethernet IP and binary I/O optional
Last 100,000 test results stored
Statistical evaluation of test results



Operation

Easy operation using an intuitive menu structure
15" TFT touchscreen display
USB connection on the front

The multifunctional panels in the Series 400 from JW Froehlich guarantee short test times. With one to eight channels, the systems are able to measure multiple different testing spaces in parallel, and display the results simultaneously on a large touchscreen. Thanks to their compact design as a closed unit, the panels are ideal for integration into machinery.

Display and panel connections



Technical data

	MPS400	MPS450	MFL400	MFL460
Measuring method	Relative pressure	Differential pressure	Mass flow rate	
Test pressure range	-0.8 to 6 bar	-0.8 to 20 bar	-0.8 to 7 bar	0.7 to 7 bar
Leak rate range (depending on the selected range, other ranges available on request)	± 999.99 cm³/min		± 500 cm³/min	15 cm³/min. to 100 L/min.
Leak rate measurement resolution	0.01 cm³/min			0.1 cm³/min. to 0.1 L/min.
Display	15" TFT colour screen and Windows Embedded Standard 7			
Test result storage	up to 100,000 test results und 5,000 curve patterns			
Interfaces	Profibus, RS 232, USB, and optionally: Binary I/O, Profinet, Ethernet IP, Barcode			
Power supply	24 VDC, 2.5-5 A			
Panel dimensions (W x H x D)	approx. 575 x 415/500/635/770 x 405 mm (1 to 4 channel panel)			
Weight	approx. 45-120 kg (1 to 4 channel panel)			
Colour	RAL 9002 grey white			



Options include

Language settings
Temperature compensation
External control unit
Q-DAS link
High pressure up to 20 bar (MPS450)
Ethernet interface
Profibus/Profinet/Ethernet IP
External measure circuit



Special functions

Volume-dependent leak test
Auto-mastering function
Auto-parameter module
Back pressure test
Internal leak test
Radial shaft seal test
DAE (membrane test)



Accessories

Leak calibrator LK 100/800
Calibrated leaks
Vacuum pump
Barcode scanner incl. software



Service package

Personal diagnostic kit
Factory calibration
Mapping
Training
Parameterisation

JWFROEHLICH

Test and Assembly
Solutions for Powertrain

Leinfelden + Plochingen Germany
Laindon Essex England
Detroit Michigan USA
Shanghai + Dalian China

www.jwvf.com