

FlowAnalyser™ PF-300



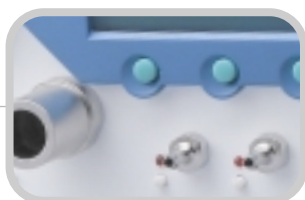
“ The Swiss devotion
to detail is legendary.
And exactly what
I need to rely on at
work.”



**You can never
pay enough -
attention to high
quality that is.**



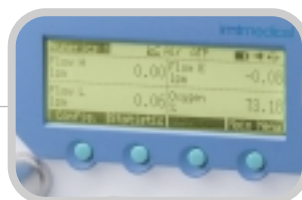
Bi-directional flow measurements of dry or humid gas according to all gas standards.



DAK (DirectAccess Knob) is the intelligent shortcut to the current displayed information.



Intuitive user interface with numeric values, statistics and realtime curves.



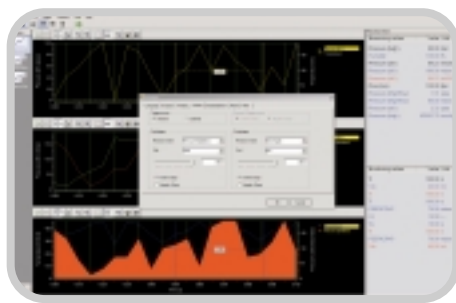
In our world, decisions are often based on information provided by monitoring devices, but simply assuming that the data delivered are accurate can lead to fatal errors; hence the need for a precise and reliable testing and calibration tool for your pneumatic equipment.

The FlowAnalyser™ PF-300 is the solution to all measurements you need to verify your pneumatic delivery systems. It is designed for field, as well as bench testing, calibration and certification and can archive test data during production. The intuitive DAK (DirectAccess Knob) simplify the communication interface to select the numerical and statistical data that can be shown on the multifunction graphic display. With its interfaces, the FlowAnalyser™ PF-300 can be a fully integrated part of your Intranet or Internet network. After all, this is the Swiss devotion to perfection.



Measurements	Low Flow	Range	-20 ... 20 sl/min
		Accuracy	+/- 1.75% of reading or 0.05 sl/min
	High Flow	Range	-300 ... 300 sl/min
		Accuracy	+/- 1.75% of reading or 0.1 sl/min
	Volume	Range	0 ... 10 sl
		Accuracy	+/- 2% of reading or 0.02 sl
	Differential pressure	Range	-150 ... +150 mbar (-2 ... +2 psi)
		Accuracy	+/- 0.75% of reading or 0.1 mbar
	High pressure	Range	0 ... 10 bar (0..142 psi)
		Accuracy	+/- 1% of reading or 10 mbar
	Atmospheric pressure	Range	0 ... 1150 mbar
		Accuracy	+/- 1% of reading or 5 mbar
	Oxygen	Range	0 ... 100%
		Accuracy	+/- 1% O ₂
	Temperature	Range	0 ... 100°C
		Accuracy	+/- 1.75% of reading or 0.5°C
	Humidity	Range	0 ... 100%
		Accuracy	+/- 2% r.H.
	Dew Point	Range	-40 ... 100°C
		Accuracy	+/- 2% of reading or 1°C
Graphic Display	Intuitive user interface with numeric values, statistics, real time curves, volume trigger configuration, gas selection and calibration menus		
Respiratory Parameters	Vti, Vte, ExpMinVol, Rate, I:E, Ti, Te, Ppeak, Pmean, PEEP		
Communication Interfaces	USB for PC tool FlowLab		
	RS 232		
	Trigger input (digital) for volume measurement trigger		
	Ethernet (optional)		
Power & Physical Data	AC input	90 ... 260 VAC, 50/60 Hz	
	Power consumption	10 VA	
	Internal battery	yes	
	Gas compatibility	Air, oxygen, nitrous oxide and mixtures	
	Dimensions (w x d x h)	22 x 25 x 12 cm	
	Weight	3.7 kg	
Environmental Data	Temperature	10 to 40°C	
	Humidity	up to 95% r.H.	
Compliance & Approvals	CE and CSA		

PC Tool FlowLab



Measuring values	Value	Unit	Min.	Max.
Pressure (high)	110.00	bar	0.00	0.10
Humidity	100.00	%	0.00	0.10
Pressure (diff.)	12.04	in-H ₂ O	0.00	0.10
Pressure (diff.)	30.00	inbar	0.00	0.10
Pressure (diff.)	13.04	in-H ₂ O	0.00	0.10
Flow (low)	100.00	lpm	0.00	0.10
Pressure (High/low)	0.87	psia	0.00	0.10
Pressure (High/low)	60.00	inbar	0.00	0.10
Pressure (diff.)	0.84	psia	0.00	0.10
Pressure (high)	80586.70	mmHg	0.00	0.10

Monitoring values	Value	Unit	Min.	Max.
T1	100.00	°C	0.00	0.10
V1a	140.00	ml	0.00	0.10

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FlowLab is an extensive graphics software and is the ideal FlowAnalyser interface for recording, trending and managing the all of the measured data:

- Real time curves, loops and numerical values
- Special functions zoom, cursor, freeze and save
- Triggers single shot, roll mode or norm
- Screen view can be saved as bitmap files, stored and/or printed

Minimum System Requirements:

- Intel® Pentium® III 800 MHz (P4 1200 MHz recommended)
- Microsoft® Windows® 98, Me, 2000, XP
- Microsoft® Internet Explorer 5.01 or higher
- 128 MB RAM (256 MB recommended)
- 160 MB hard disc space (full install)
- CD-ROM drive
- Display 800 x 600 (1024 x 768 recommended)