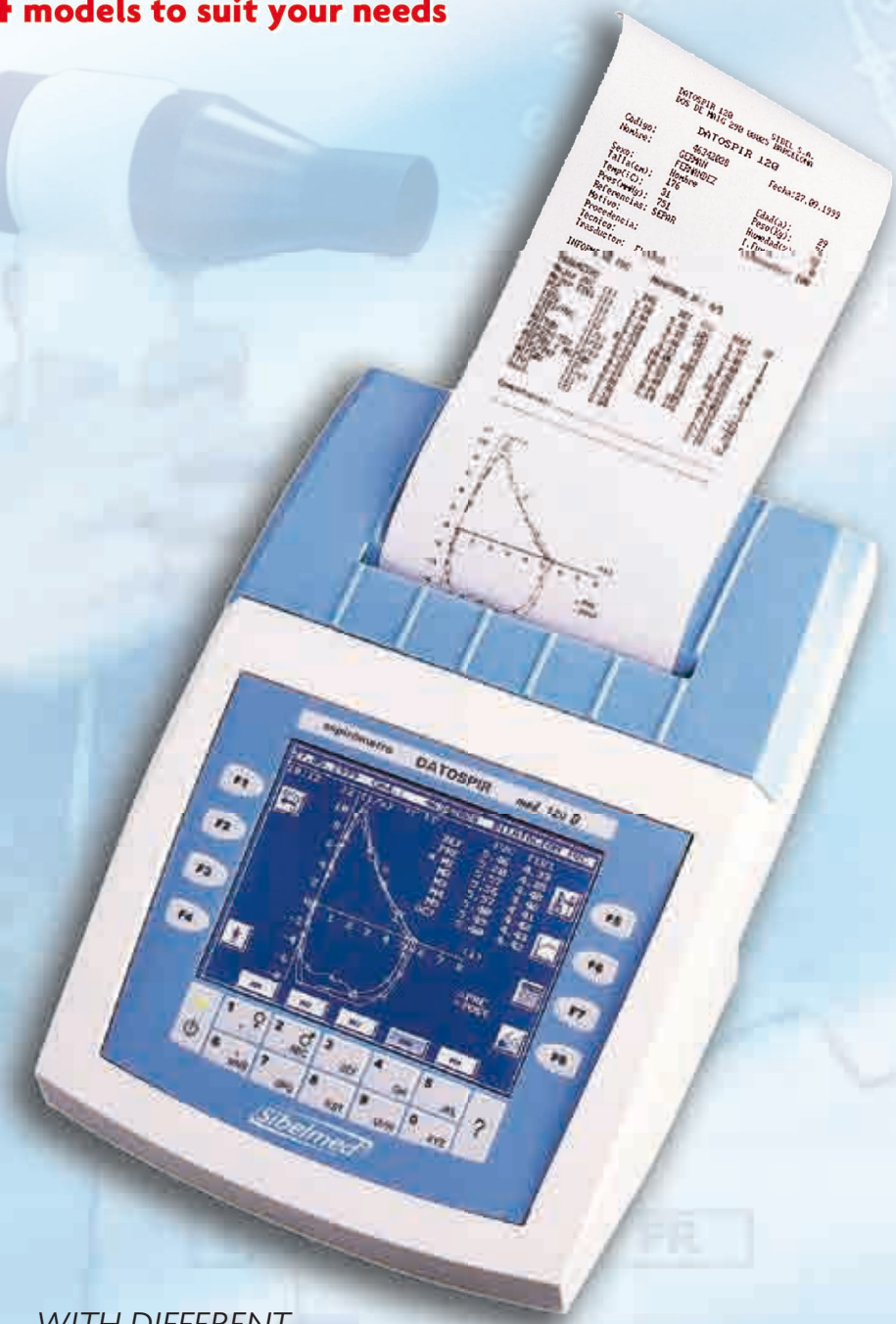
spirometer
DATOSPIR-120

4 models to suit your needs

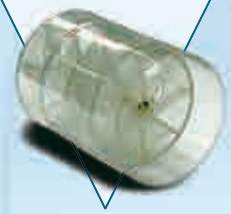
- Help on screen
- Intuitive use through icons
- Data transfer via INTERNET
- Large back-lighted display
- SpO_2 and MEP-MIP modules
- Incentive for children



Disposable transducer
(LILLY Type)

WITH DIFFERENT TRANSDUCER TYPES

Transducer
(TURBINE)



Neumotachometer
(FLEISCH)

TÜV CERT EN ISO 9001:2000

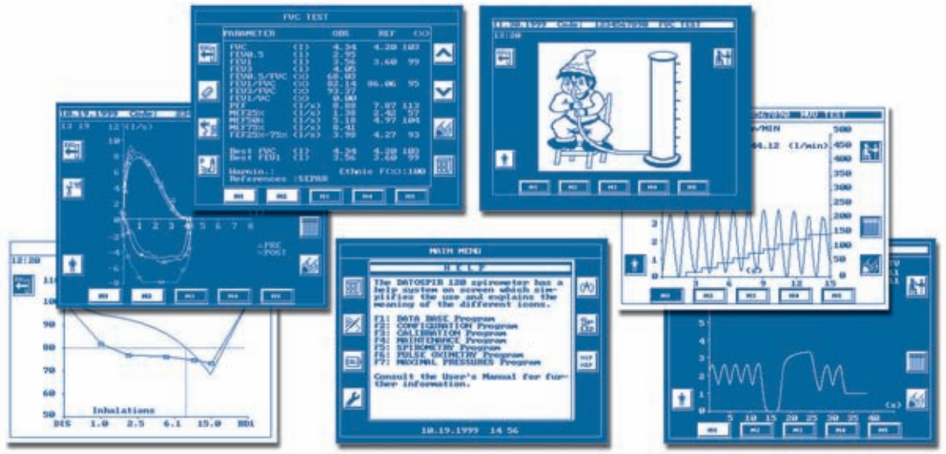
Sibelmed

THE EXPERIENCE SUPPORTS US

The DATOSPIR-120 spirometer serie has been developed based in the wide experience achieved by SIBEL, S.A. in such equipment, as in Spanish market as international ones.

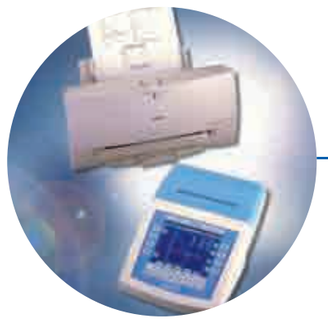
This project has been developed with the collaboration of the Lung Function Laboratory of "Hospital de la Santa Creu i Sant Pau de Barcelona".

The DATOSPIR-120 has 4 models (A - B - C - D) to suit the user's needs.
Next, some outstanding characteristics are exposed:



FVC, VC and MVV tests in PRE and POSTBRONCHODILATATION MODE
BRONCHOCONSTRICTION WITH: DOSE/RESPONSE GRAPHICS AND PD20 CALCULATION
AUTOMATIC SELECTION OF THE BEST MANOEUVRE ACCORDING TO ATS OR USER CRITERIA (5 MANOEUVRES)

CONFIGURATION PROGRAMME
It allows to select:
Parameters to use between more than 40.
Working language.
Reference parameters used for adults and children.
Graphics in reports and data base.
Diagnosis type ("SNIDER, KORY & LYONS" or "MILLER'S QUADRANT").



CONNECTION TO AN EXTERNAL PRINTER

- *VISUAL AND ACOUSTIC INDICATION OF MANOEUVRE'S START AND END*
- *CHECK-UP PROGRAMME*
- *STOPWATCH FOR TEST MEASURING (CLOCK-CALENDAR)*
- *AUTOMATIC RECOVERY OF PREVIOUS SET CONFIGURATION*
- *RECHARGEABLE BATTERY*

INNOVATION AND TECHNOLOGY

POWERFUL SOFTWARE UNDER WINDOWS TO WORK WITH PC IN REAL OR DEFERRED TIME

DIFFERENT TRANDSDUCER TYPES
1 - Neumotachometer (FLEISCH Type)
2 - Transducer (TURBINE Type)
3 - Disposable transducer (LILLY Type)

QUALITY CONTROL OF THE TESTS, ACCORDING TO APPLICABLE STANDARDS (ATS, ERS, SEPAR, ISO 9000)
Record of the last calibrations performed.
Printed report of calibrations.
Periods between calibrations-maintenance selected by the user.

POWERFUL INTERNAL DATA BASE
It allows to store more than 1,500 tests without graphics or more than 500 with graphics.
Summary list of the data base.
Display and report of every test in deferred mode.
Test transfer to PC.

- *WHETHER STATION MODULE*
- *MAXIMAL RESPIRATORY PRESSURES MODULE*
- *SpO_2 MODULE*

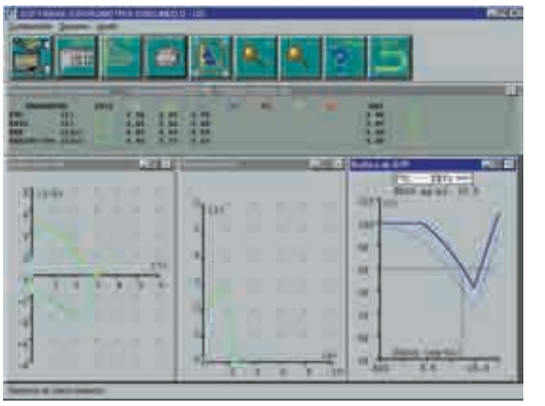
DATA TRANSFER VIA INTERNET WITH PC OF:
Patients tests.
Device check-up data.
Software update.

DATOSPIR-120 spirometer

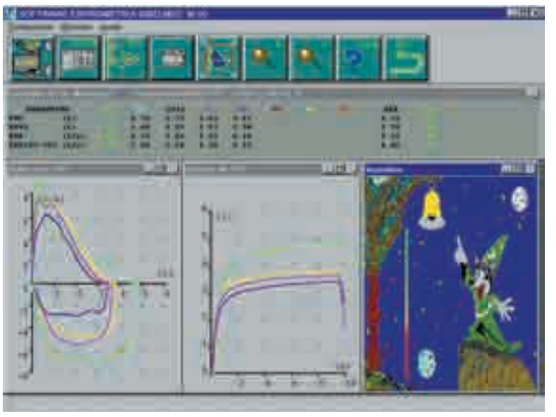
SPIROMETRY SOFTWARE W-20

The SIBELMED W-20 is a windows software for the transfer, analysis, storage and register of spirometric signals. It is compatible with many DATOSPIR spirometers and it can work in real or deferred time. It allows, among other functions:

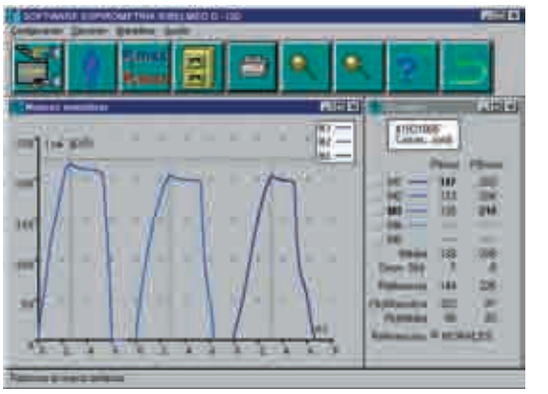
- Management of different Data Bases
- Performance of FVC, VC, MVV and Postbronchodilation tests
- Graphic presentation in F/V and V/T modes
- Selection of many Reference Parameters
- Selection of different types of diagnosis
- Printing of several reports
- Incentive for children



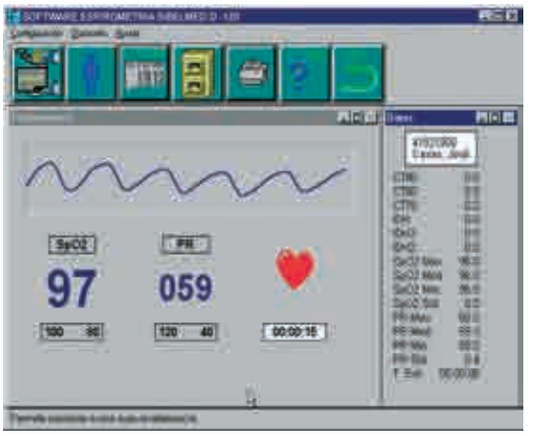
BRONCHOCONSTRICTION TEST



FVC WITH INCENTIVE FOR CHILDRENS



MAXIMUM INSPIRATORY AND EXPIRATORY PRESSURES



PULSIOXIMETRY

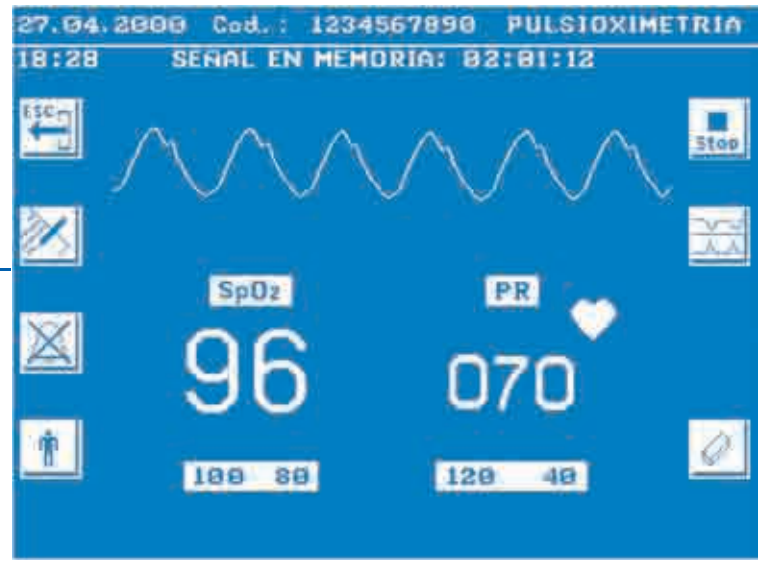
Sibelmed®

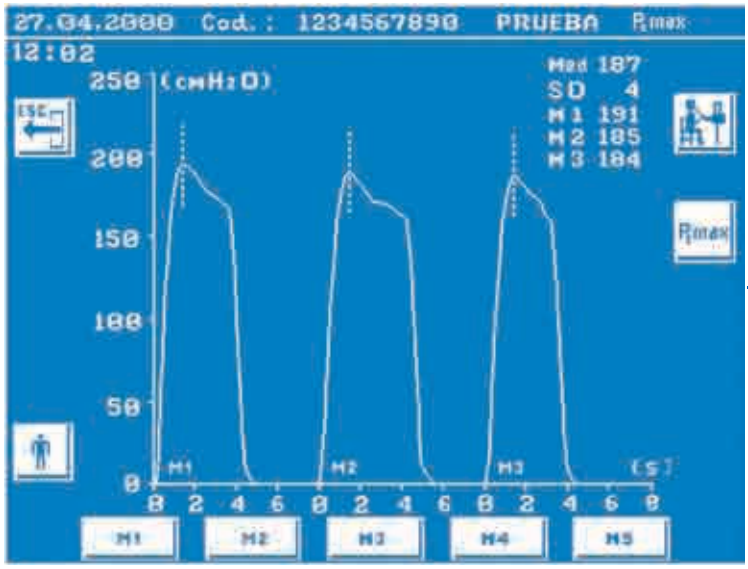
OPTIONAL MODULES

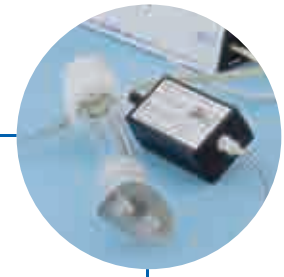
PULSIOXIMETRY

- Two functioning modes: Specific measurements or up to 8 hours.
- SpO_2 and PR displayed on the screen
- Adjustable Alarm Settings for maximum and minimum SpO_2 and PR values.
- Printing reports of: CT90, IDH, SpO_2 mid. - min., SD SpO_2, PR max. - mid. - min., SD PR

SpO_2







$P_I max$ - $P_E max$

- Pressure curves displayed in Real Time
- Memory of the 5 best manoeuvre
- Printing Report of PImax- PEmax with Pressure / Time graphic
- Reference Parameters or theoretical

MEP - MIP

DATOSPIR-120 spirometer

INNOVATION AND TECHNOLOGY

COMPOSITION OF DATOSPIR -120 SPIROMETER MODELS

OPTIONS / *MODELS*	*A*	*B*	*C*	*D*
FLEISCH type transducer	●	●	■	■
TURBINE type transducer	■	■		
DISPOSABLE transducer	●	●	●	●
FVC, VC, MW tests in PRE and POST bronchodilatation mode	■	■	■	■
Bronchoconstriction tests		●	●	■
Graphics superposition	■	■	■	■
Check-up programme	■	■	■	■
Graphic incentive for children	●	■	■	■
Configuration programme	■	■	■	■
Internal data base for more than 150 tests with graphics	●	■	■	
Internal data base for more than 500 tests with graphics	●	●	●	■
58 mm. (2 in.) internal printer	■			
112 mm. (4 in.) internal printer		■	■	■
External printer connection	●	●	■	■
Data transfer via INTERNET with PC of:				
Patients tests	■	■	■	■
Device check-up data	■	■	■	■
Software update	■	■	■	■
Tests exportation to other management systems	■	■	■	■
Calibration programme for quality control or test, according to standards	■	■	■	■
Rechargeable battery power supply	●	●		
Whether station module (Temperature, Pressure and ambient Humidity)	●	●	●	■
SpO_2 module	●	●	●	●
MEP-MIP module	●	●	●	●
Software under Windows to work with PC in real or deferred time	●	●	●	●

● *OPTIONAL* ■ *STANDARD*

TECHNICAL SPECIFICATIONS

Flow transducer:	FLEISCH, TURBINE or DISPOSABLE (LILLY TYPE)
Measuring range:	Flow from 0 to +/- 16 l/s; volume from 0 to 10 l.
Flow-Volume accuracy:	5% or 200 ml/s - 3% or 50 ml, whichever greater (ATS, ERS)
Flow resistance:	<0.06 kPa/l/s at 14 l/s (ATS, ERS)
Display:	Liquid Crystal Display; 320x240 pixels; Area of 120x90 mm.
Printer:	Thermal and graphic type of 58 or 112 mm. (2 or 4 inches) wide.
Data Input:	Alphanumeric membrane keyboard
Maximum duration and number of manoeuvres:	FVC, 25s (5 curves); VC, 45s (5 curves); MVV, 15s (5 curves)
Working temperature and humidity:	10 to 40º C - Less than 75% without condensation (ATS, ERS)
Safety Standards:	IEC 601.1 (EN6060.1.1), UNE 20-613, IEC 601.1.1 (EN6060.1.1.1)
Power supply:	200V-240V 50/60 Hz (other voltage on demand)
Power:	25 VA (aprox.)
Dimensions:	210 x 297 x 95 mm.
Weight:	1.7 Kg. (aprox.)

REQUISITOS MÍNIMOS DE PC

MINIMUM CONFIGURATION:
133 Pentium Processor, 64 MB RAM, 2 GB hard disk space. Free serial port RS232. Video card. CD drive.

RECOMMENDED CONFIGURATION:
1,7 GHZ Pentium 4 Processor or higher, 128MB RAM, 30GB hard disk, 20 MB free. Free serial port RS232, 1024x768 video card, CD drive.

SOFTWARE:
Windows 98, 2000 and XP

ACCESORIES AND SPARE PARTS (according to model)

STANDARD
Transducer
Disposable mouthpiece (100u.)
Nose clip (1 u.)
Thermosensitive paper of 58 or 111 mm. wide, according to model (2 rolls)
Mains power supply
Connection and utilities software for PC
User's manual

OPTIONAL
W-20 Spirometry Software for PC
MEP-MIP module accessories
SpO2 pulse oximetry module accessories
Disposable transducer
Carrying bag
Calibration syringe
Support trolley
Rechargeable battery
Bacterial filters

CE 0318 Product class IIa according to Directive 93/42/CEE

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