



Multi-Functional

SPIROMETER CHESTGRAPH

HI-801

Lung function tests...

- To evaluate symptoms: Cough, Sputum production,
- To screen: Smokers, Factory workers,
- To diagnose: COPD, Asthma, Dyspnea, Heart failure,

Much more than
a spirometer



All-in-one Full Spirometry

*Large full color LCD, built-in printer,
and exchangeable CF memory card are featured.*

Powerful Expansibility

*Respiratory Pressure, Airway Resistance, Rhinomanometry,
NEP, Pulse Oximetry... can be optionally added on your spirometer.*

COPD Diagnosis

*Classification of COPD by Severity helps the therapeutic management
at each stage of COPD patients.*

CHEST

Early detection of COPD!

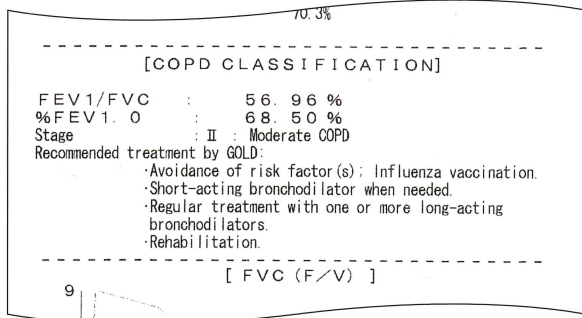


“Chronic Obstructive Pulmonary Disease (COPD) is a major cause of chronic morbidity and mortality throughout the world. **COPD is currently the 4th leading cause of death in the world (WHO, 2000)**, and further increases in the prevalence and mortality of the disease can be predicted in the coming decades.”

“For the diagnosis and assessment of COPD, spirometry is the gold standard as it is the most reproducible standardized, and objective way of measuring airflow limitation.

To help identify patients earlier in the course of the disease, spirometry should be performed for patients who have chronic cough and sputum production and history of exposure to risk factors (tobacco smoke, Occupational dusts and chemicals, Smoke from home cooking, and heating fuels, etc.), even if they do not have dyspnea.”

*“Global Initiative for Chronic Obstructive Lung Disease” (Updated July, 2003) based on NHLBI/WHO workshop report.



- Compact Flash memory card for more than 1000 test storage and easy back up.
- Direct connection for external printing.
- Easy operation using a Mouse and Full keyboard on screen.
- COPD diagnosis by GOLD (NHLBI/WHO workshop report)
- MVV and MV measurements.
- Patient incentive animations for children (FVC).

Print out Sample (Reduced size)

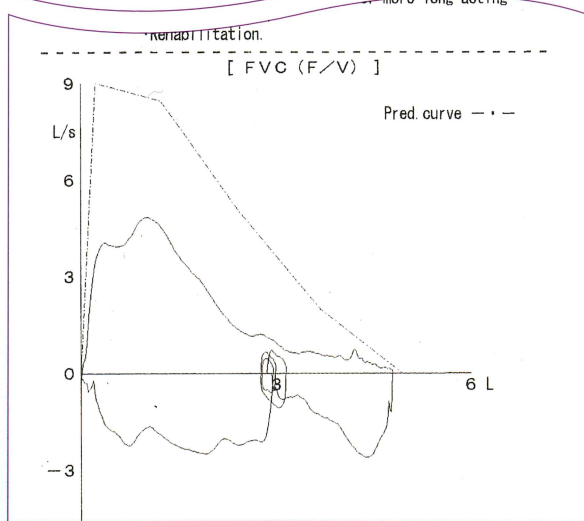
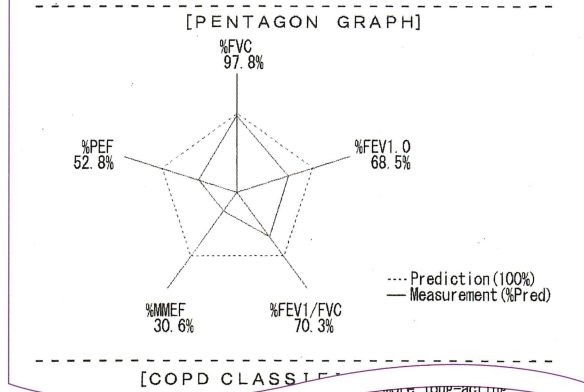
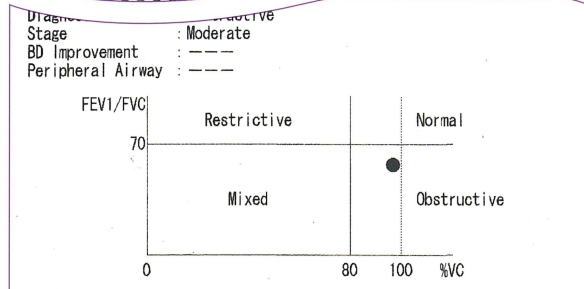
SPIROMETRY TEST REPORT

Name : JOHN SMITH
 ID No. : 1 2 3 4 5 6 7 8 9 0 Date : 10/21/2008 15:48
 Sex : Male Race : Caucasian (100 %)
 Age : 50
 Height : 180.0 cm Room temp. : 22.0 °C
 Weight : 75.0 kg Humidity : 50.0 %
 P. B. : 1013.1 hPa

Predicted : KNUDSON
 Cal. Date : 10/1/2008

Physician : _____

ITEM	UNIT	MEAS	PRED	%PRED
VC	L	4.75	4.00	96.5
TV	L	0.75	0.75	100.0



Specifications

Flow detection	Lilly type pneumotach sensor (Bi-directional)
Flow range	+/-0.05 to +/-14L/S
Flow resolution	0.01L/S
Volume detection	Flow integration
Volume range	+/-001 to +/-10.0L
Volume resolution	0.01L
Volume accuracy	+/-3% or 0.05L, whichever is greater (ATS)
Display	10.4 inch (TFT) color display (640 x 480 dots)
Printer	Built-in thermal printer (112mm width)
Data storage	More than 1000 patients in Compact Flash memory
Computer interface	USB, RS-232C, and CF slot
Power requirement	AC100-240V, 50/60Hz
Dimensions	350 (W) x 290 (D) x 100 (H) mm
Weight	4.5kg
Quality Assurance	EN 60601-1 (Safety) / EN60601-1-2 (EMC)

Standard Accessories

Paper mouthpiece (100pcs/box)	1 box
Nose Clip (Reusable)	2 pc
Printer paper (112mm width, thermal)	1 roll
Flow sensor head	2 pcs
Flow sensor unit	1 pc
Fuse	2 pcs
Spiro-Filter, C-2F	1 pc
CF memory card	1 pc
Power cord	1 pc
Operation manual	1 pc

Analyzed items

SVC	SVC, IC, TV, ERV, IRV, VC/HT, (Broncho Dilator test)	
FVC	FVC, FEV0.5, FEV1.0, FEV3.0, FEV6.0, FEV0.5%, FEV1/FVC, FEV1/SVC, FEV3.0%, FEV6.0%, FVC/HT, FEV1/HT, FEV1/VCpr, MMEF, PEF, FEF25, FEF50, FEF75, FEF90, FEF50/FEF75, PEF/HT, PEF25/HT, FEF50/HT, FEF75/HT, FEF75-85, FEF200-1200, MTC75-50, MTC50-25, MTC25-RV, MTCR, OI, ATI, PEF TIME, FET, ExtrapV, ExtrapV%, FIVC, FIV0.5, FIV1.0, FIV1/FVC, FIV1/FIVC, PIF, FIF50, FEF50/FIF50, FIF50/FEF50, CVI, MVV43, FVC+FEV1, (Broncho Dilator test)	
MVV	MVV, TV, RR, MVV/BSA, AVI, (Broncho Dilator test)	
MV	MV, TV, RR, BR, VR, (Broncho Dilator test)	
OPT Meas't	Respiratory Pressure	PEmax, PE/int, PE/t, PE/ave, PImax, PI/int, PI/t, PI/ave
	Airway Resistance	In Rint, Ex Rint
	Rhinomanometry [Anterior, Posterior]	P (Peak) Ex, P (Peak) In, V (250) Ex, V (250) In, P (150) Ex, P (150) In, P (100) Ex, P (100) In,
	NEP	FL, TV, FL%
	Pulse Oximetry	SpO2max, SpO2min, SpO2mean, Pulse Rate max, Pulse Rate min, Pulse Rate mean

Optional Accessories

Calibration syringe	1L or 3L Volume + adapter
Spirobank software for Windows	Compatible with HI-801, HI-701, and HI-101 Spirometers
Mouse	PS/2 connection
External Printer	Locally supplied. (Ask your local dealer)
Spiro-Filter, C-2F	100pcs/box
Silicone mouthpiece (Reusable)	For adults / children
Plastic mouthpiece (Reusable)	50pcs/box + adapter
Flow sensor Mesh screen	10pcs/pack
Plastic nose clip (Disposable)	10pcs/pack



● Calibration syringe (3L / 1L)



● Spirobank Software



● Spiro-Filter, C-2F



● Silicone mouthpiece (for adults / for children)



● Flow sensor Mesh screen



● Nose clip (Metal / Plastic)

Specifications are subject to change without notice.

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