

# KoKo<sup>®</sup> Legend

## Portable Office Spirometer



## Redefining Accuracy Beyond the Standard

KoKo<sup>®</sup> Legend redefines accuracy through technology and simplicity. Legend's intuitive color touch screen monitor quickly walks both patient and physician through standard testing procedures delivering superior patient test results. Legend's robust design endures the rigors of traveling from office to office or wherever your patient needs to be tested.

### Redefining Accuracy — Diagnostic Confidence

KoKo Legend's built-in algorithms provide assistance in interpretation allowing you to focus on the patient diagnosis and management plan. Immediate quality feedback of effort acceptability guarantees useable test results.

### Redefining Accuracy — Improving Outcomes

KoKo Legend utilizes a unique flexible orifice pneumotach<sup>®</sup> which is extraordinarily accurate at the low flow rates common in both pediatrics and COPD, complying with all aspects of the ATS/ERS 2005 recommendations for spirometry\*.

### Redefining Accuracy — Proven Technology

- **Incentive Graphics.** Real-time graphic displays assist patients throughout spirometry testing encouraging complete testing results.
- **Large Storage Capacity.** Each memory card stores over 750 patients with up to 8 studies per patient.
- **Printing Options.** Choose from Legend's built-in thermal printer or opt for direct USB connection for 8 1/2" x 11" printing.
- **KoKo PFT Software.** Optional software with customizable reporting, for long-term trending of patient data.
- **Battery Operation.** Rechargeable battery allows you to bring the KoKo Legend from room to room or across town.
- **Merlin<sup>™</sup>** networking & connectivity is fully compatible with the majority of electronic medical records systems (EMR) and hospital information networks via the KoKo PFT software.



## Redefining Accuracy. Beyond Expectations.

KoKo Legend brings the extreme standards established by the world leading KoKo PC-Based Spirometer, to a mobile desktop solution.

Our expert customer support delivers extensive start up training, including a DVD training module, ensuring you the confidence you need to get the most out of your KoKo Legend Spirometer.



### References:

- Series "ATS/ERS Task Force: Standardisation of Lung Function Testing", Standardisation of spirometry, Eur Respir J 2005; 26: 319-338

## Technical Specifications

### Tests Performed:

FVC, SVC, Pre- and Post- BD

### Parameters Measured:

#### Expiratory:

FVC, FEV<sub>1</sub>, FEV<sub>1</sub>/FVC%, FEV<sub>1</sub>, FEV<sub>1</sub>/FVC%, FEV<sub>3</sub>, FEV<sub>3</sub>/FVC%, FEV<sub>6</sub>, FEV<sub>6</sub>/FVC%, FEV<sub>1</sub>/FEV<sub>6</sub>%, PEFR, FEF<sub>25</sub>%, FEF<sub>50</sub>%, FEF<sub>75</sub>%, FEF<sub>25-75</sub>%, FEF<sub>2-1.2</sub>, FEF<sub>75-85</sub>%, Tpeak(ms), Vext%, Vext(l), MET(s), Texp(s), Veot(l), MVV<sub>est</sub>

#### Inspiratory:

FIVC, FIV<sub>1</sub>, FIV<sub>1</sub>/FIVC, FIV<sub>1</sub>/FIVC, FIV<sub>3</sub>, FIV<sub>3</sub>/FIVC, PIFR, FIF<sub>50</sub>%, FIF<sub>25-75</sub>%, FIF<sub>2-1.2</sub>, FIF<sub>50</sub>/FEF<sub>50</sub>, MIT(s), Tinsp(s)

#### Pneumotach:

Flexible Variable Orifice Pneumotachometer

#### Calibration:

Three injection mode; one injection mode; Supports both one and three liter calibration syringes.

#### Filter Requirement:

KoKoMoe (model #810000 or #819000)

#### Power Equipment:

Supplied external 100-240 VAC Switching Power Supply / Recharger, 12 VDC Output, 2.5 Amp.; Rechargeable internal NiMH battery.

#### Accuracy:

<±3% or 100 ml, whichever is greater

#### Reproducibility:

<±0.5%

#### Volume Range:

+16 l

#### Flow Range:

+16 l/s

#### Resistance:

<1.5 cmH<sub>2</sub>O/l/s when tested with KoKo Moe filter

#### Memory Storage:

Estimated 750 patients (6000 test series) per compact flash memory card.

#### Software Compatibility:

KoKo PFT Spirometry Software version 4.6 or higher; operating on Windows 2000, XP or higher.

#### Predicted Sets:

Hankinson (NHANES III), Crapo 1981, Polgar (Pediatrics), ERS 93/98 (ECCS), Pereira (Brazil), Gore (Australia); Gulsvik (Norway), Hedenstram (Sweden), SEPAR (Spain), Thai, Forche (Austria), Viljanen (Finland). Wang (Pediatrics), Knudson 1976.

#### Interpretation Algorithm:

McKay (ATS / ARRD 1991)

#### Reports:

Formats for both Internal and External Printers: FVC Standard Best, FVC Pre-Post Best, FVC Complete Best 3, FVC Complete Best Pre/Post, FVC V/T Full Size, Pre-Post + V/T Full Size, Standard Best 3, Pre-Post Best 3, SVC Complete Best 3, SVC Pre-Post Best, user customized

#### Incentive Graphics:

Photo-realistic Color Candles; Sailboat

#### Connectivity:

Downloadable to KoKo PFT Software via built-in USB port; Uploadable patient demographics from KoKo PFT via built-in USB port.

#### Printing:

Thermal printer and external parallel printer support (HP PCL3 format)

#### Languages:

English, Spanish, Portuguese, French, Norwegian, Swedish, Italian, German, Dutch, Danish, Finnish, Slovakian

#### Dimensions:

23.5 x 25.4 x 7.0 cm; 9.25 x 10.0 x 2.75 inches  
1.6 kg; 3.6 lbs.

#### Construction:

High-impact Polycarbonate

#### Operating Environment:

10 - 40° C; 0 - 80% relative humidity non-condensing at temperatures to 31° C

#### EMC Rating:

Radiation and conducted emissions and immunity per EN 60601-1-2

#### Performance Standards:

ATS/ERS 2005 - properly measures all 26 flow-time waveforms; BTS; NIOSH; ACOEM; MDD

#### Quality Standards:

FDA QSR, ISO 13485:2003, MDD 93/42/EEC, EN 60601-1, 60601-1-1, 60601-1-2, 60601-1-4, CMDCAS/Health Canada

## Contact Information

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