KoKo® PFT Spirometer

Full Function PC-Based Spirometer

Redefining Accuracy
Beyond the Standard

For over a decade the KoKo® PFT Spirometer has been the number one choice for both discerning specialists and clinical research studies. KoKo Spirometer's unique Fleisch-type pneumotach' redefines accuracy through its unsurpassed ability to compensate for temperature and humidity changes.

Redefining Accuracy — *Diagnostic Confidence*

KoKo PFT software blends very sophisticated features with a logical and friendly user interface. Populated with numerous predicted equation sets and a choice of three interpretive algorithms, users can be confident in their diagnostic decisions based upon spirometry results.

Redefining Accuracy — *Improving Outcomes*

Independently validated to meet ATS/ERS 2005 recommendations for both ambient and BTPS conditioned air puts KoKo ahead of the competition for accuracy and precision. KoKo PFT software also has been enhanced to comply with all aspects of the ATS/ERS 2005 statement on spirometry!*

Redefining Accuracy — *Proven Technology*

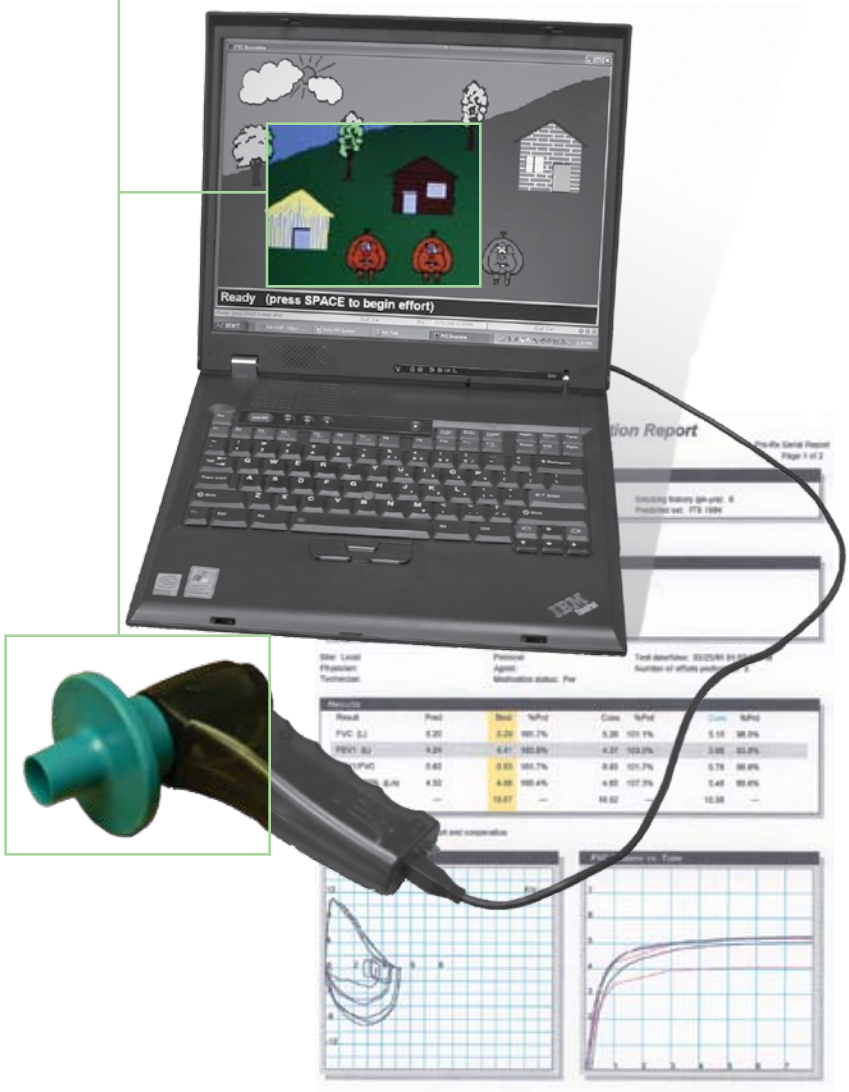
- **Multiple Incentive Graphics.** Guided patient coaching with intelligent automatic target value adjustments for increased test performance in patients as young as 3 years old.
- **Customizable Report Format.** For content, predicted values, graphics format and size, automated interpretation and challenge protocols.
- **Merlin™** networking and connectivity is fully compatible with the majority of electronic medical record systems (EMR) and hospital information systems (HIS).
- **Growth Adjusted Trending Elements (GATE™).** KoKo's proprietary built-in trending and comparison tool identifies obstruction typical in asthma prior to the occurrence of serious symptoms.

iSpire™
Inspiring Respiratory Health

KOKO® *Spirometry*

Redefining Accuracy.
Beyond Expectations.

KoKo PFT Spirometer has long proven to be the spirometer of choice for accuracy and precision in clinical and academic research. KoKo's performance and ease of use has made it the global standard for diagnostic spirometry testing in hospitals and physician offices worldwide.



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, MVV, Challenge
Parameters Measured (in FVC test):
Expiratory:
FVC, FEV.5, FEV.5/FVC%, FEV1, FEV1/FVC%, FEV3, FEV3/FVC%, FEV_6, FEV_6/FVC%, FEV1/FEV_6%, PEFR, FEF25%, FEF50%, FEF75%, FEF25-75%, FEF.2-1.2, FEF75-85%, Tpeak(ms), Vext%, Vext(l), MET(s), Texp(s), Veot(l)
Inspiratory:
FIVC, FIV.5, FIV.5/FIVC, FIV1/FIVC, FIV3, FIV3/FIVC, PIFR, FIF50%, FIF25-75%, FIF.2-1.2, FIF50/FEF50, MIT(s), Tinsp(s)
Pneumotach:
Brass Core Fleisch-type 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:
Power derived from USB port
Accuracy:
‹±3% or 100 ml, whichever is greater; research grade accuracy of ‹1% can be set via calibration
Reproducibility:
‹± 0.5% or 0.150 l, whichever is greater
Volume Range:
±16 l
Flow Range:
±16 l/s
Resistance:
‹1.5 cmH_2O/l/s when tested with KoKo Moe filter
Memory Storage:
Unlimited - dependent on hard disc drive or network server capacity
Predicted Sets:
Crapo 1981, Polgar (Pediatrics), ITS 1984, Knudson 1976/1983, ECCS 1983/1993, Hankinson (NHANES III) 2000, Toronto 1991, Morris F 1988/1971, Gore (Australia) 1995, Pereira (Brazil) 1996, Dejsomritrutai (Thai) 1996, Miller 1996, Eigen (pre-school pediatrics), Viljanen/KLNW (Finland), Hendenstrom/ Solymar (Sweden), Gulsvik (Norway), SEPAR (Spain), Forche (Austria), Hibbert (Pediatrics), Shands (mixed), Wang (Pediatrics), Pereira (Brazil) 2002, Knudson 1976.
Interpretation Algorithm:
McKay (ATS / ARRD 1991); ITS; Modified Ellis
Reports:
Unlimited self defined, multiple preset designs.
Incentive Graphics:
Candles, sailboat, 3 pigs, flying kite, brick wall
Connectivity:
Network compatible interface to electronic medical records via HL7. Client version can automatically share data with nSpire Health Raptor pulmonary lab analyzers.
Dimensions:
18 x 10 x 5 cm; 7.1 x 3.9 x 2 inches
0.3 kg; 0.7 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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