



PC-based Mobile Spirometer

PRIMO & PRO

Durable Office Spirometer
More than 90 parameters
Patient Safety
User-Friendly

Medikro® Primo is a professional and efficient PC-based spirometer for primary care. It is an accurate and easy-to-use system that complies with all the latest ATS/ERS spirometry standards.

Primo utilizes Medikro® Spirometry Software (MSS). The system provides general practitioners the assurance of reliable results with an intuitive navigation, adjustable interpretation options and clear visualization of results. With disposable Medikro® SpiroSafe flow transducers there is no need for bacterial filters or sterilization. This increases patient throughput and saves operational costs.



CONSUMABLES & ACCESSORIES (OPTIONAL)



Medikro Ambi



Medikro SpiroSafe

SPIROMETRY MEASUREMENTS

| | PRIMO | PRO |
|------------|-------|-----|
| TV | | ✓ |
| MVV | | ✓ |
| SVC | ✓ | ✓ |
| FVC | ✓ | ✓ |
| FVC + FIVC | ✓ | ✓ |
| FVC | ✓ | ✓ |

TECHNICAL SPECIFICATIONS

| | |
|-------------------------|--|
| Physical dimensions | 107*70*18 mm |
| Weight | 305g |
| Frequency response | 0...250 Hz (-3 dB) |
| Supply voltage | via USB port |
| Temperature correction | Software-based |
| Temperature range | +10...+40°C |
| Relative humidity range | 5...85% |
| Pressure range | 600...1060 hPa |
| Quality system | FDA QSR, MDD 93/42/EEC, ISO 13485 |
| Safety standards | IEC/EN60601-1, IEC/EN60601-1-2, IEC/EN60601-1-6, IEC/EN60601-1-9 |
| Other standards | ISO 26782, IEC/EN 62366 |

SPIROMETRY SOFTWARE

Fully scalable updatable and upgradable software

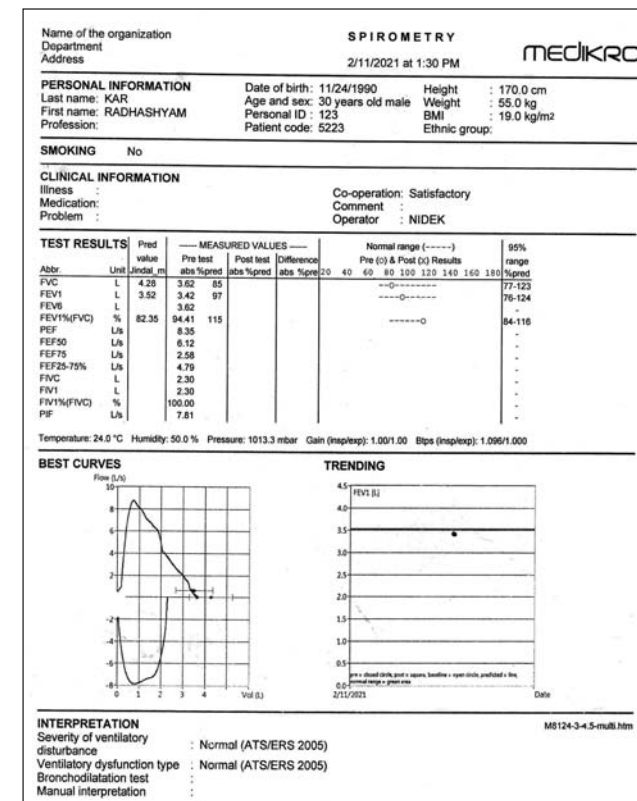
shared Ms Access or SQL Database

EHR connection through XML/GDT

Automatic PDF export included.

Medikro spirometry software (MSS) provides easy operation, flexible parameter selections and comprehensive choice of report formats. Regular software ensures that your system is always up-to-date.

MSS is intuitive and easy to use. It provides clear visualization of results and customizable reports session results can be transferred into Electronic Health Record (EHR) systems via a local area network or emailed to consulting physicians fast and faultlessly several quality control tools are integrated in the Software. These include the calibration log reproducibility index and flow / time indicator.



VARIABLES

| | PRIMO | PRO | | PRIMO | PRO | | PRIMO | PRO | | PRIMO | PRO |
|----------------|-------|-----|---------------|-------|-----|----------------|-------|-----|---------------|-------|-----|
| TV | | ✓ | FR | | ✓ | MV | | ✓ | MVV | | ✓ |
| MVVFR | | ✓ | MVVT | | ✓ | MVVDIFF | | ✓ | IRV | | ✓ |
| IC | ✓ | ✓ | EC | | ✓ | FVC | ✓ | ✓ | FEV0.25 | ✓ | ✓ |
| FEV0.5 | ✓ | ✓ | FEV0.75 | ✓ | ✓ | FEV1 | ✓ | ✓ | FEV2 | ✓ | ✓ |
| FEV3 | ✓ | ✓ | FEV4 | ✓ | ✓ | FEV5 | ✓ | ✓ | FEV6 | ✓ | ✓ |
| FVC%(VC) | ✓ | ✓ | FVC/FEF25-75 | ✓ | ✓ | FEV0.25%(VC) | ✓ | ✓ | FEV0.25%(FVC) | ✓ | ✓ |
| FEV0.25%(FEV6) | ✓ | ✓ | FEV0.5%(VC) | ✓ | ✓ | FEV0.5%(FVC) | ✓ | ✓ | FEV0.5%(FEV6) | ✓ | ✓ |
| FEV0.75%(VC) | ✓ | ✓ | FEV0.75%(FVC) | ✓ | ✓ | FEV0.75%(FEV6) | ✓ | ✓ | FEV1%(VC) | ✓ | ✓ |
| FEV1%(FVC) | ✓ | ✓ | FEV1%(FEV6) | ✓ | ✓ | FEV1%(FIV1) | ✓ | ✓ | FEV1%/PEF | ✓ | ✓ |
| FEV2%(VC) | ✓ | ✓ | FEV2%(FVC) | ✓ | ✓ | FEV2%(FEV6) | ✓ | ✓ | FEV3%(VC) | ✓ | ✓ |
| FEV3%(FVC) | ✓ | ✓ | FEV3%(FEV6) | ✓ | ✓ | FEV4%(VC) | ✓ | ✓ | FEV4%(FVC) | ✓ | ✓ |
| FEV4%(FEV6) | ✓ | ✓ | FEV5%(VC) | ✓ | ✓ | FEV5%(FVC) | ✓ | ✓ | FEV5%(FEV6) | ✓ | ✓ |
| PEF | ✓ | ✓ | PEF%(PIF) | ✓ | ✓ | RT10-90 | ✓ | ✓ | DT90 | ✓ | ✓ |
| DT95 | ✓ | ✓ | PEFT | ✓ | ✓ | FEF25 | ✓ | ✓ | FEF50 | ✓ | ✓ |
| FEF75 | ✓ | ✓ | FEF25-75% | ✓ | ✓ | FEF70%(FIF50) | ✓ | ✓ | FEF25-75/VC | ✓ | ✓ |
| FEF25-75/FVC | ✓ | ✓ | METT | ✓ | ✓ | AEFV | ✓ | ✓ | FET | ✓ | ✓ |
| EV | ✓ | ✓ | V%(FVC) | ✓ | ✓ | LAGE | ✓ | ✓ | FIVC | ✓ | ✓ |
| FIV0.5 | ✓ | ✓ | FIV1 | ✓ | ✓ | FIV6 | ✓ | ✓ | FIV0.5%(VC) | ✓ | ✓ |
| FIV0.5%(FIVC) | ✓ | ✓ | FIV0.5%(FIV6) | ✓ | ✓ | FIV1%(VC) | ✓ | ✓ | FIV1%(FIVC) | ✓ | ✓ |
| FIV1%(FIV6) | ✓ | ✓ | FIV1%(FEV1) | ✓ | ✓ | PIF | ✓ | ✓ | PIF%(PEF) | ✓ | ✓ |
| FIF25 | ✓ | ✓ | FIF50 | ✓ | ✓ | FIF75 | ✓ | ✓ | FIF25-75% | ✓ | ✓ |
| FIF70%(FEF50) | ✓ | ✓ | MITT | ✓ | ✓ | AIFV | ✓ | ✓ | FIT | ✓ | ✓ |
| IEV | ✓ | ✓ | IEV%(FIVC) | ✓ | ✓ | TIME | ✓ | ✓ | VC | ✓ | ✓ |
| VC%(FVC) | ✓ | ✓ | VC/FEF25-75 | ✓ | ✓ | VCDIFF | ✓ | ✓ | FVCDIFF | ✓ | ✓ |
| FEV1DIFF | ✓ | ✓ | PEFDIFF | ✓ | ✓ | | | | | | |



*Upgraded model
Manufactured by Medikro Oy



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