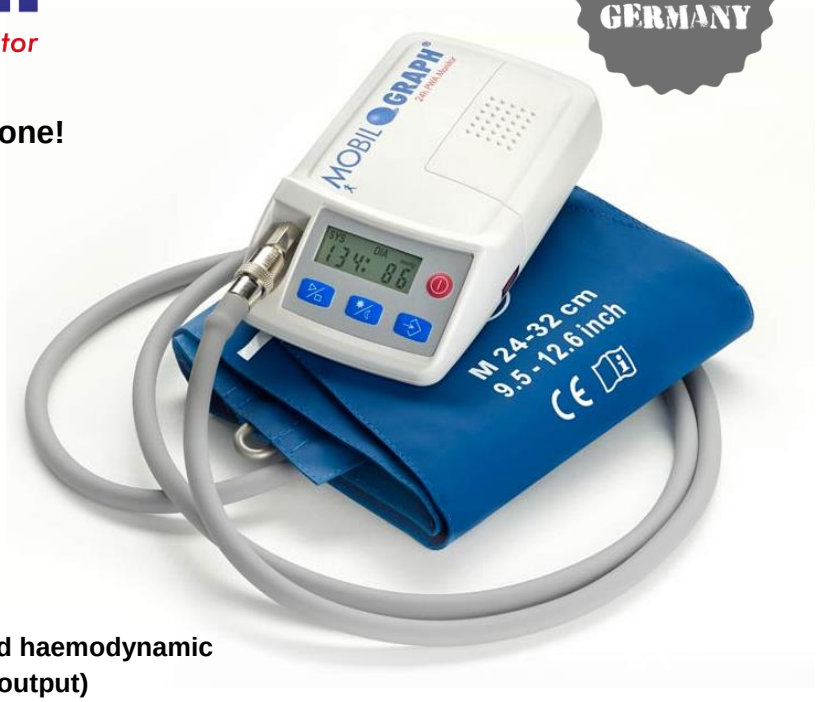
MOBIL GRAPH®

24h PWA Monitor

MADE IN GERMANY



24h ABPM and Pulse Wave Analysis in one!

CLINICAL INDICATION

- **Risk assessment (morbidity & mortality)**
- **Therapy decision**
- **Patient guidance**

PRODUCT FEATURES

- **Auto-Feedback-Logic (AF®-Logic)**
- **Office, 24h and clinic monitoring**
- **Arterial stiffness, central blood pressure and haemodynamic analysis (peripheral resistance and cardiac output)**

PUBLICATIONS

Recent publications in the field of nephrology done with the Mobil-O-Graph®

- **Ambulatory pulse wave velocity is a stronger predictor of cardiovascular events and all-cause mortality than office and ambulatory blood pressure in hemodialysis patients.**
  Sarafidis PA et al.; American Heart Association Hypertension. May 2017
- **Method of calibration of measurement of central aortic pressure and prediction of all-cause mortality in chronic kidney disease.**
  Alberto Avolio; Mark Butlin. Journal of Hypertension. September 2015
- **Evaluation of a novel brachial cuff-based oscillometric method for estimating central systolic pressure in hemodialysis patients.**
  Sarafidis PA, Georgianos PI. American Journal of Nephrology. October 2014
- **Aortic to brachial pulse pressure amplification as functional marker and predictor of renal function loss in chronic kidney disease.**
  Wassertheurer et al. The Journal of Clinical Hypertension. April 2014
- **Aortic pulse wave velocity predicts mortality in chronic kidney disease stages 2-4.**
  Baumann M, Wassertheurer et al.; Journal of Hypertension. April 2014
- **A prospective observational study comparing a non-operator dependent automatic PWV analyzer to pulse pressure, in assessing arterial stiffness in hemodialysis.**
  I Salvade et al. BMC Nephrology. April 2015

Technology Expert in Hypertension Management
I.E.M. GmbH | Cockerillstr. 69 | 52222 Stolberg | Tel. + 49 2402 9500 0 | Fax +49 2402 9500 11 | info@iem.de

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VALIDATIONS

- **Peripheral BP**
  - **BHS Validation A/A - Validation of the Mobil-O-Graph®: 24h blood pressure measurement device;**
    Wei W, Tölle M, Zidek W, van der Giet M; Department of Nephrology, Berlin, Germany. Blood Pressure Monitoring. January 2010
  - **ESH Validation - Evaluation of the Mobil-O-Graph® new generation ABPM device using the ESH criteria;**
    Franssen PM, Imholz BP; Department of Internal Medicine, Radboud University Nijmegen Medical Centre, Netherlands, Blood Pressure Monitoring. January 2010
- **Pulse Wave Velocity – arterial stiffness**
  - **Oscillometric estimation of aortic pulse wave velocity: comparison with intra-aortic catheter measurements**
    Hametner B, Wassertheurer S, Kropf J, Mayer C, Eber B, Weber T; Department of Health and Environment, AIT Austrian Institute of Technology, Vienna, Austria. Blood Pressure Monitoring Journal. June 2013
  - **Comparison of an Oscillometric Method with Cardiac Magnetic Resonance for the Analysis of Aortic Pulse Wave Velocity**
    Feistritzer HJ, Reinstadler SJ, Klug G, Kremser C. University Clinic of Internal Medicine III, Cardiology and Angiology, Medical University of Innsbruck, Austria. January 2015
- **Central BP – invasive comparison study**
  - **Validation of a Brachial Cuff-Based Method for Estimating Central Systolic Blood Pressure**
    Weber T, S Wassertheurer, Rammer M, Cardiology Department Klinikum Wels-Grieskirchen, Wels, Austria Journal of the American Heart Association Hypertension. September 2011
  - **Comparison of invasive and brachial cuff-based noninvasive measurements for the assessment of blood pressure amplification**
    Atsushi Nakagomi, Sho Okada, Toshihiro Shoji and Yoshio Kobayashi, The Japanese Society of Hypertension. October 2016
- **Haemodynamic analysis – cardiac output & stroke volume**
  - **Modeling arterial and left ventricular coupling for non-invasive measurements**
    TH Westhoff et al.; Charite, Campus Benjamin Franklin, Medizinische Klinik IV, Nephrology, Berlin, Germany. Blood Pressure Monitoring Journal. January 2005