

## Calibration software EasyCal

WIKA Data Sheet CT 95.01

### Applications

- Calibration with 3.1 certificates per DIN EN 10 204
- Archiving of calibration data and instrument administration via Access database
- Assists fully-automatic calibrations
- Pressure switch testing

### Special Features

- Calibration Assistant guides you through the calibration
- Automatic generation of calibration points per EN 837-1
- Customised test reports possible (Access Report-Designer)
- Supports various reference instruments (Version dependent)



### Calibration software EasyCal

## Description

This new generation of WIKA calibration software has been developed for the calibration of mechanical and electronic pressure gauges in accordance with ISO 9000ff.

The Calibration Assistant guides you through the calibration cycle and ensures that it is carried out in accordance with the relevant standards.

The calibration results are documented in certificates which conform to EN 10 204, and are archived in the Access database, in addition.

The software is available in various versions and so supports all WIKA pressure calibration instruments.

### System requirements

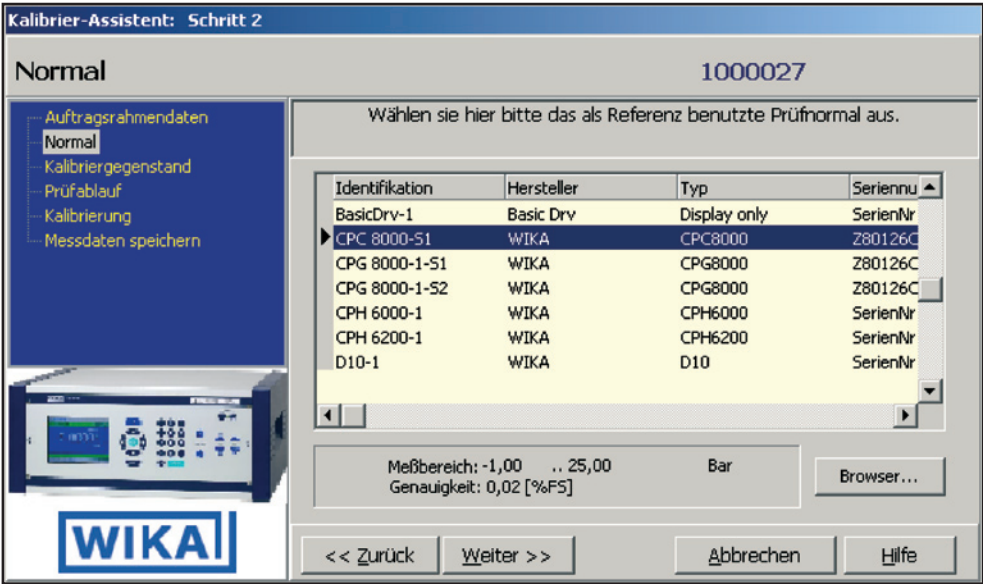
PC Pentium running Windows 95/98/NT/2000/XP and Office Suite 97/2000/XP incl. Access, and a CD-ROM drive. For EasyCal Standard and Professional a Keithley IEC Bus Card is required.

## Features

This multilingual software (D, GB, F, E) gives you the possibility to calibrate both mechanical and electronic pressure measuring instruments, and even to test pressure switches.

The Calibration Assistant will lead you, step by step, through the set-up of the calibration.

The calibration can be individually set for each test item. Although you have the possibility to make many manual settings, the program still, as a result of standards' conformity, automatically proposes many of the calibration properties, such as for example the test ramp.



Step 2 of the Calibration Assistant – Choosing the Reference

**The data for the reference instruments are stored in a database and is automatically loaded when selected. Pressing the “Next” button takes you, easily, to the next step.**

During the calibration the respective errors are calculated and the data for the certificate are logged ONLINE. Thus the tester can monitor the calibration procedure themselves through the programs error control.

At the end of the calibration, there is the possibility to print the certificate immediately, without any further button presses and also without having to open any external file. In order to be able to show the customer or auditor the measurement results, each calibration is stored in the program's archives.

## Versions

Dependent upon the reference instrument used, the following versions of EasyCal are available.

### EasyCal Light

The reference instrument supported is the CPH6200 Hand-Held Pressure Indicator. Measuring ranges up to 1,000 bar are possible, with an accuracy of 0.2% of the measuring range. Please see Data Sheet CT 11.01 for further technical details.

Please note that for the Standard version, if you want automatic calibration, an additional **IEEE-488 interface** card (Kiethley) is needed to control the external equipment.

### EasyCal Standard

This program allows the operation of all measuring equipment with an IEC-Bus, connection e.g. the CPG8000, CPG2500. As a further reference instrument, the CPH6000 Process Calibrator, with RS-232 and USB connection, is supported.

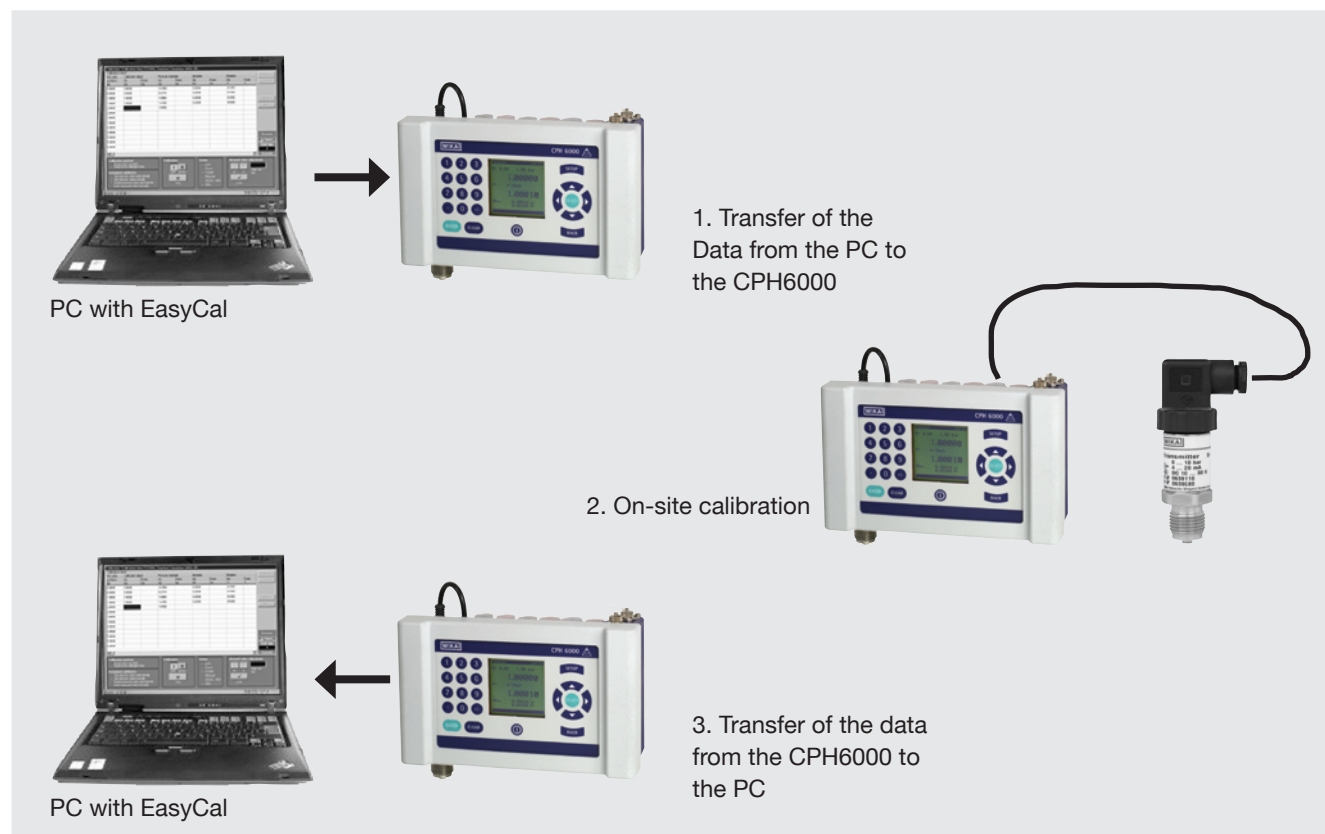
EasyCal uses the extended functions of the ProcessCalibrator and offers, in addition, the Upload/Download of complete calibration-sets, enabling PC-independent On-Site-Calibration (offline mode).

Further technical details, see data sheet CT 15.01.

The CPG8000 Precision Pressure Indicator can be used automatically with the IEC-Bus. With this modular, high-end system, which is equipped with up to 4 sensors, accuracies of up to  $\leq 0.01$  % FS can be realised.

Please see data sheet CT 25.05 for further technical details.

## Offline Calibration with the CPH6000



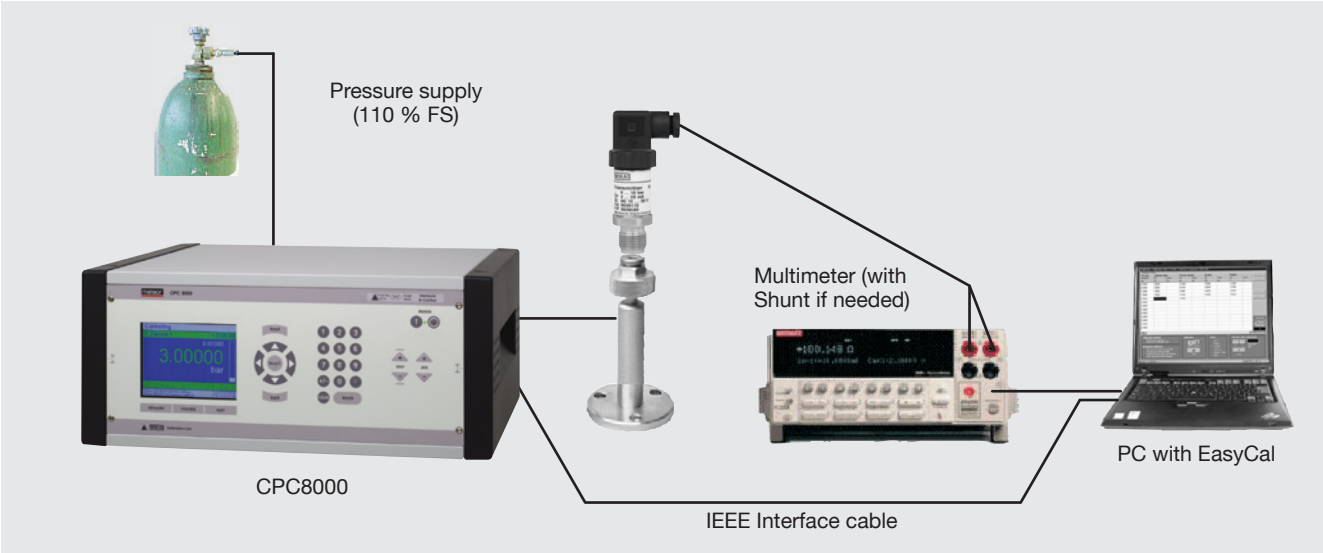
## EasyCal Professional

Complete support of each type of instrument.  
A fully-automated calibration procedure for pressure transmitters with electrical output signals is possible.

CPC8000 or CPC6000 controllers, or controllers offered by other manufacturers on request. Connection via IEC bus.

All instrument-specific data is read over this connection, thus enabling valuable time to be saved and limiting input errors. For fully-automated calibrations, the control parameters, e.g. preload, control speed, can be set correspondingly, so that each calibration point for a test item can be approached optimally.

## Configuration for an automatic calibration



The pressure controller generates the pressure value automatically according to the software's demands. Both measurement values are subsequently read automatically.

## Software variants

Design	Order No.
EasyCal Light	7967536
EasyCal Standard	7980222
EasyCal Professional	7980257

## Products and Services within our Calibration Technology Program

- DKD calibration services for pressure
- Repair of all makes of calibration units
- Portable pressure measuring devices for test and calibration tasks
- Precision pressure measuring units and pressure controllers
- Primary standards for pressure
- Testing technology system solutions
- DKD calibration services for temperature
- Temperature dry-well calibrators
- Calibration baths and furnaces
- Temperature measuring instruments for test and calibrating tasks
- Precision thermometers
- Primary standards for temperature
- Consulting and seminars

Specifications and dimensions given in this leaflet represent the state of engineering at the time of printing. Modifications may take place and materials specified may be replaced by others without prior notice.



**WIKA Alexander Wiegand GmbH & Co. KG**  
Alexander-Wiegand-Straße 30  
63911 Klingenberg/Germany  
Tel. (+49) 9372/132-0  
Fax (+49) 9372/132-406  
E-mail [info@wika.de](mailto:info@wika.de)  
[www.wika.de](http://www.wika.de)