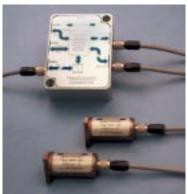# FOWLER | Wyler's Zerotronic Sensor System

Wyler AG's newly developed Zerotronic, a completely digitised inclination sensor, fulfills the highest requirements concerning accuracy, ranges, sensitivity and temperature stability. The use of digital technology allows the transmitting of signals over long distances without loss of accuracy.

Small angles with a high resolution as well as large angles are measured with this sensor technology. A temperature sensor mathematically compensates for changing environmental conditions, improving measuring results.

Use Dynam software for sensors and instruments of the Zerotronic family. Dynam software was developed for calculating and displaying static and dynamic inclinations and profiles under Microsoft Windows. The data of connected sensors can be sampled and computed and displayed in various forms or they can be transmitted.

The integrated software modules allow the performing of a number of measuring tasks without knowledge of software programming. Simple tasks like computing the difference between two sensors or sophisticated jobs like the compensation of an acceleration from the measured angle can be performed easily.

Data generated by measuring can be displayed in numerical or graphical form on the computer monitor, sent to a connected printer, saved in files on hard disc or floppy discs or sent to a serial output port.

Levelmeter 2000, used for many configurations, may be used as a handheld terminal for Zerotronic sensors. Levelmeter 2000 may also be used as a bus system using digital sensors. The large digital display can be adjusted to all commonly used units in inclination measurements.

The instrument has two individual measuring channels. The display can be adjusted for:

- Single display of channel A or B
- Differential mode (A-B)
- Alternating display of channels A, B every 5 sec.

Levelmeter 2000 functions
- Automatic setting of absolute zero when using reversal measurement
- Preset function of angles and setting of relative zero
- Setting of limits and signalling the respective status, exporting the measured values via RS232 port
- Calibration terminal for Zerotronic sensors and other digital Wyler AG components

For more information and prices on the Zerotronic, call Fowler's Technical Dept.