

Fowler

Clinotronic Plus

The Fowler/Wyler Clinotronic Plus is an electronic level with unsurpassed versatility. This newly developed inclinometer is economically priced, uses a specially designed microprocessor and the well-proven Wyler inclination sensor.

Clinotronic provides a measuring range of $\pm 45^\circ$. Four precisely machined surfaces around the instruments periphery provide locations suitable for measurements in any quadrant, effectively increasing the measuring capacity to 0—360°. Any unit suitable for inclination may be applied to the display by a simple push button.

The measuring principle is based on a friction free suspended disc of mass weighing less than 1 gram. Two electrodes together with the disc supported between them represent a differential capacitor. Changes of capacitance resulting because of disc displacement when the unit is inclined are detected by counting the frequency and after suitable evaluation are displayed in the selected units.

Completely friction free pendulum support in conjunction with damping by air displacement provide excellent accuracy in respect of repetition and hysteresis as well as rapid availability of values.

Special Features:

- Range of $\pm 45^\circ$, capacity of 0-360°.
- Resolution of 0.01° (selectable).
- Display: use any units common to inclination measurements. Desired units to be selected by push button.
- Automatic setting of zero by push button command.
- Absolute or relative measuring mode selectable by push button.
- Built-in calibration program.
- Uses standard 1.5v AA batteries.
- Seal-tec technology for excellent performance even in difficult environmental conditions.



- Interface connection RS232 is integrated. Special purpose cables available.
- Low battery indication.
- No loss of calibration data by power failure.
- Price includes calibration cable and case.

Technical Specifications:

- Measuring range/capacity: $\pm 45^\circ/0-360^\circ$
- Response time: value available within 5 seconds.
- Sensitivity: Depending on units set— .01°
- Repeatability: $<.01^\circ$
- Linearity: within 3 min. of arc
- Temp. coefficient: less than 0.01°/°C.
- Data output: Serial
- Battery: Thionylchlorid-lithium, half AA size diam. .57 x .96" (14.5 x 24.5mm), 3.6 volt. Battery life: in full operation—800 h(typ.); in sleep mode—20,000 h(typ.)
- Housing: aluminum hard anodized.
- Dimensions: 4 x 3 x 1" (100 x 75 x 30mm)
- Weight: 13 oz. (380 grams)
- Temp. range: operational 0 to 40°C.



Order No.	Description
54-635-601	Clinotronic Plus
54-635-432	RS232 Cable and adaptor

