

## Process signal calibrator type P32

### Features:

- User selectable ranges and scaling provide versatility for all your process measurement tasks;
- High precision: 150 ppm of reading, is maintained even in difficult operating conditions;
- Low temperature coefficients: 15 ppm rdg/°C for voltage, 20 ppm rdg/°C for current;
- Measurement up to 50V, simulation up to 15V, measurement and emission up to 25mA;

### Functions:

- Display contrast setting / backlight: Depending on lighting conditions in work zone, user can modify display contrast and turn on/off the backlight. Backlighting time is also adjustable;
- Display resolution setting: user adjustable display resolution lets user optimize the reading for the users specific measurement;
- Date and Time displaying: P32 continuously displays the date and time;
- Square root: In current measurement and simulation, this function allows a quadratic signal from a transmitter  $\Delta P$  type to be taken into account;
- Statistical calculation of measurements: maximum, minimum and average of the measured signal are always displayed, as is the number of measurements. Reset button allows calculations reset;
- Hold: this function allows user to "freeze" the display measurement;
- Filter: filter can be applied to minimize the least significant digit fluctuation;
- Software updating: Wahl offers you possibility to upgrade the embedded software using USB connection, as updates become available;
- Delay Function: A starting delay is programmable when ramps, steps or values are emitted to allow user to reach the control post in time;



### Mechanical characteristics and standards:

- Dimensions: (without protection boot): 157 x 85 x 45mm;
- Weight: 10.79 ounces (306 g);
- Tightness: IP 54 according to EN 60529;
- Reference Conditions: 23°C  $\pm$  5°C, relative humidity: 45% to 75%;
- Nominal Operating Conditions: -10°C up to + 50°C, relative humidity: 20% up to 80% without condensation;
- Maximum Operating Conditions: - 10°C up to + 55°C, relative humidity: 10% up to 80% (70% at 55°C);
- Maximum Storage Temperature: - 30°C up to + 60°C ( without battery);
- Electrical Security according to EN 61010;
- Electromagnetic compatibility of electrical equipment according to EN61326;

### Basic package:

Protective Boot, 4 AA Batteries, User Manual on CD Rom, Wrist Strap, 2 Measurement Leads, NIST Calibration Certificate, and Carrying Case.

**Optional** Rechargeable Battery Pack/Charger - #12436-01