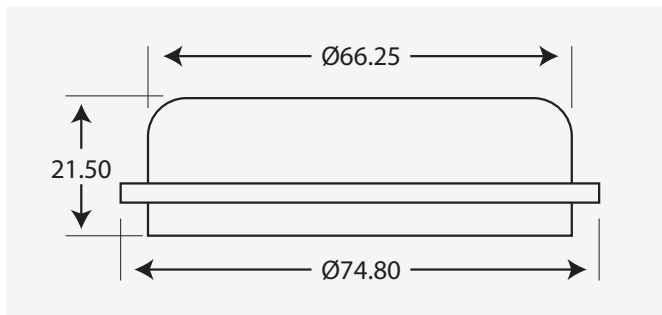


HBS16001

LED Loop Powered Indicator



The HBS16001 is a loop powered LED indicator. Powered by a current loop the HBS16001 indicates the process value on a 4 digit LED display. The menu system is easily navigated by the use of three push buttons located on the rear of the display. The HBS16001 can have several linearizations applied or a custom characteristic can be entered.



Environmental Conditions

Ambient	(-20 to +75) °C
Ambient Storage	(-50 to 85) °C
Ambient Humidity	(10 to 90) % RH

Common Specifications

Display	4 digit LED
EMC Emissions	BS EN61326
EMC Immunity	BS EN61326

Input Specifications

Input	(4 to 20) mA input
Range	-1999 to 9999 decimal point selectable in any position
Linearisation	Linear, Square root, Power 3/2, Power 5/2, User Characteristic Up to 20 pairs by straight line interpolation
Accuracy	± 0.01 % FS
Hart Transparent	Yes
Power	Loop powered
Loop Drop	< 4.0 V @ 20 mA

Configuration

The HBS16001 is configured using the buttons at the rear of the display. They configuration parameters include the following;

- Security passcode protection.
- Linearity type; linear, square root, X 3/2, X 5/2 or user interpolation.
- Input scaling; the displayed PV values that correspond to the mA input signal.
- Input scaling type; manual (user edits (4 to 20) mA PV values via keypad) or automatic (user applies high/ low mA signals, then device performs auto-scale).
- User interpolated data; up to 20 co-ordinate pairs.
- User offset; intended to offset the displayed PV by a user-configurable amount.
- Display resolution; 1, 0.1, 0.01 or 0.001 °C.
- Configuration menu time out adjustment.
- Reset to factory default.
- Easy on-site re-calibration when required.