BASI

INTELLIGENT LOOP POWERED LED INDICATOR   BLP220
(Plug-on LED Display for mounting on transmitters)

- **Digital pushbutton calibration.**
- **For mounting on transmitters**
- **State-of-the-art microprocessor design.**
- **High reliability surface mount electronics.**
- **Computer tested and pre-calibrated.**
- **Mounting on transmitters with DIN43650**
- **Programmable**
- **2 progammable alarms**
- **Digital damping 0-20 s**
- **Scaleable 4-20mA**
- **LED display**

DESCRIPTION

The BLP220 2-wire Loop-powered Indicator is ideal for remote monitoring.

The BLP220 offers high performance and reduced installation costs through its 2-wire design.

The indicator is housed in a compact enclosure suitable for mounting on transmitters in the field.

The on board digital LED-display provides a continuous, scaleable, display of the 4-20mA input.

Easy to follow 'on display' messages assist the user to set up and calibrate the indicator. The BLP220 is supplied factory calibrated and tested. Since the instrument utilises pushbutton calibration the instrument may be scales/ calibrated without test equipment.
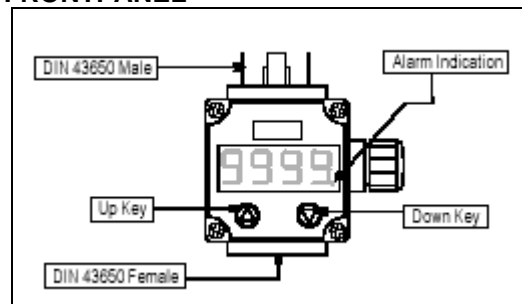
FRONTPANEL

DIMENSION

SPECIFICATIONS GENERAL

Input	: 4-20mA
Loop voltage drop	: 3V nominal at 20mA
Current range	: 3 to 20,5mA
Input protection	: 200mA either direction
Display range	: 4 digit -1999 to 9999
Response time	: Better than 5mS
Digital damping	: 0-20s (in step of 0,5s)
Accuracy error	: +- 0.05% of full scale
Ambient temp	: -25 to 80°C
Display	: LED 4-digit 7 mm
Power supply	: Powered by 4 to 20mA loop
Protection class	: IP65
Case material	: ABS black
Connection	: DIN 43650
Weight	: 80g
Case dimensions	: 42,3mm (H) x 42,3mm (W) x 49,3mm (D)
EMC	: EN 50081-1, EN 50082-2, 73/23/EEC & 89/336/EEC

CE

INSTALLATION   CONNECTION

ORDERING INFORMATION
BLP220-
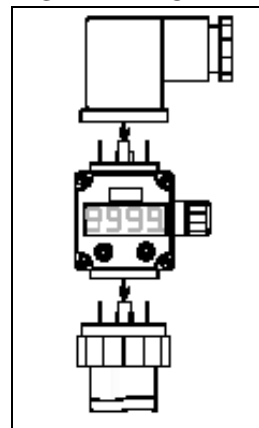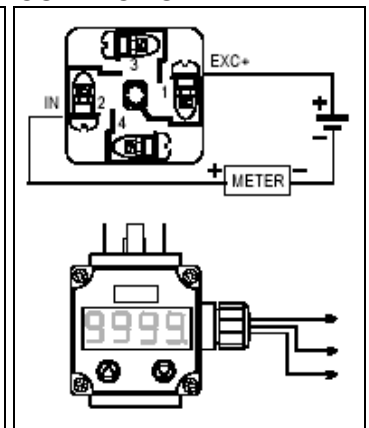
FRONT PANEL & KEY FUNCTIONS
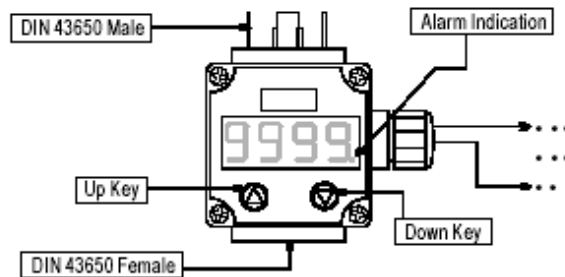
Key Name	Symbol	Descriptions
Up Key	△	1. In the parameter setting , press this key can move the cursor left.
Down Key	▽	1. In the parameter setting, press this key can increase the digits.
Combination Key	△ • ▽	1. In the measuring status, press this key can enter to parameter pages. 2. In the parameter setting, press this key can save the value & go to next page.

**1. The following block charts are parameters codes, parameter codes & parameters will alternate flashing if the parameters can be modified.

2. To modify the parameters, please press △ or ▽, and press △ & ▽ to save the parameters after the modification.

GENERAL MODE OPERATING PROCEDURES

Block Charts	Display	Descriptions	Default
Power On	Measuring Status	Present value for measurement.	0000
1000 / SEtz	Display Low Scale Setting (SEtz)	Press △▽ to modify display low scale for the input signal zero value. EX: If the input signal is 4~20mA; 4mA is shown display 0.00, this parameter must be set for 000.00.	Customers specify
SEtS	Display Hi Scale Setting (SEtS)	Press △▽ to modify display high scale for the input signal span value. EX: If the input signal is 4~20mA; 20mA is shown display 100.00, this parameter must be set for 100.00.	Customers specify
dot	Decimal Point Setting (dot)	Press △▽ to select decimal point (0, 1, 2, 3, 4).	0000
dAP	Display Average Setting (dAP)	Press △▽ to modify display average (0~20s). (0.5s per time)	0000
HILo	Alarm Function Setting (HILo)	Press △▽ to select the alarm function. (ON or OFF)	on
StPL	Alarm 1 Percentage Setpoint (StPL)	Press △▽ to modify alarm 1 percentage setpoint. (0~100.0%)	0000
StPH	Alarm 2 Percentage Setpoint (StPH)	Press △▽ to modify alarm 2 percentage setpoint. (0~100.0%)	0000
Ld Ir	Alarm 1 Action Setting (Ldlr)	Press △▽ to modify alarm 1 value that is ≧(Hi) or <(Lo) for alarm action.	UP
Hd Ir	Alarm 2 Action Setting (Hdlr)	Press △▽ to modify alarm 2 value that is ≧(Hi) or <(Lo) for alarm action.	dn
dELA	Alarm Run Delay Setting (dELA)	Press △▽ to modify the value, when the display value reach the alarm value that need to wait for this time (0~30 sec) for alarm action.	0000