

# KOBOLD Model AUF Compact Local Electronic Display

## User Instructions



KOBOLD Instruments Inc. 1801 Parkway View Drive Pittsburgh PA 15205

Phone (412) 788-2830 • Fax (412)-788-4890



## 1.0 Note

Prior to unpacking and installation, please read the operating instructions and follow them carefully. These units are to be used, serviced, and repaired only by individuals who are familiar with the operating instructions and the applicable regulations for operational safety and accident prevention.

## 2.0 Intended Use

The plug-in display unit model AUF is a universally applicable, on-site display unit for a variety of measuring transducers. The measuring transducer is merely required to have an analog output and a plug-type connection in accordance with DIN 43 650. The plug-in display unit is simply attached between plug and socket and is immediately ready for operation. Scale, the position of the decimal point, attenuation, and the operating position (option) are adjusted with two keys (upon removal of the cover). The individual menu steps are displayed on the LED display.

## 3.0 Control of units

The units are checked before shipment and shipped in good condition. If you detect a visible defect on the unit, we recommend that you carefully check the packing material. In the event of a defect, please notify the mail service/freight forwarder, as the shipper is responsible for shipping damage.

## 4.0 Mechanical Connection

The plug-in display unit is simply connected between plug and socket and is immediately ready for operation. The attachment screw must be replaced by the longer screw included in the shipment. The display rotates by 90°.

## 5.0 Electrical Connection

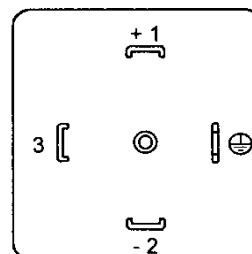
Attach the plug-in display unit as shown

+V Supply.....PIN 1

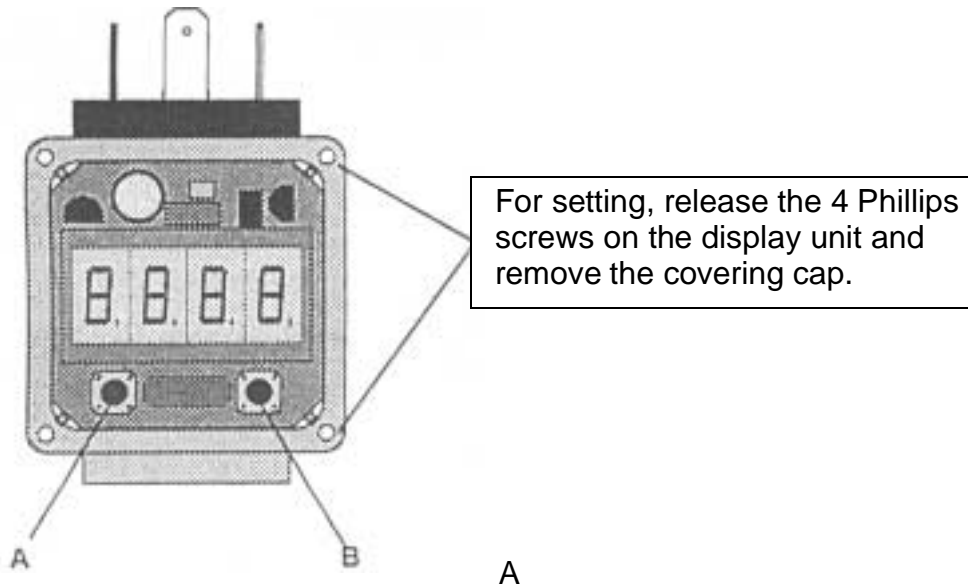
-V Supply.....PIN 2

Switch outlet.....PIN 3

For units with Open Collector output,  
connect PIN 2 and PIN 3.



## 6.0 Setting



A=>downward and selection of menu items

B=>upward and selection of menu items

A+B=>select menu item to set or to confirm setting

### 6.1 Decimal Point

Press B key until - d P - is displayed.

=>A+B menu item to set:- .- -

=>B or A for up and down:- - .-

=>A+B to confirm setting and return to menu item - d P -

### 6.2 Zero Point (value to be displayed at 4 mA)

Press B until - Z P 4 is displayed

=>A+B menu item to set:- 0.0 0 for example (0 psig)

=>B or A for up and down

=>A+B to confirm setting and return to menu item -Z P -

### 6.3 Range (value to be displayed at 20 mA)

Press B key until E P 2 0 is displayed.

=>A+B menu item to set - 0 0 0

=>B or A for up and down 6 0.0 0 (60 psig)

=>A+B to confirm setting and return to menu item - E P -

### 6.4 Attenuation

Press B key until F I L t is displayed

=>A+B menu item to set 0 0 0.3 (Min.=0.3 sec.;Max.=20.0 sec.)

=>B or A for up or down - - 1.5 (1.5 sec.)

=>A+B to confirm setting and return to menu item F I L t

### 6.5 Range Exceeded (displayed if below 4 mA or above 20 mA)

Display: "HI"=>range exceeded or "L0"=>below range

Press B key until H I L 0 is displayed.

=>A+B menu item for setting: - 0 F F display inactive

=>B or A for up or down: - 0 n - display active

=>A+B to confirm setting and return to menu item H I L 0

Report - h I - = measuring range exceeded, - L 0 - = below measuring range

Please note: If H I L 0 display is inactive, measuring range exceeded (-1999 to 9999) is indicated by "E r 0 6".

### 6.6 Operating Position (Option)

Press B until - S P t is displayed.

=>A+B menu item for setting - 0.0 0

=>B or A for up or down: 2 0.0 0 (20 psig)

=>A+B to confirm setting and return to menu item - S P t

Please note: Standard hysteresis is the set point minus 3 digits.

Upon customer request, the hysteresis is adjustable at the plant as per request.

### 7.0 Operating Direction (Option)

Press B key until d l r - is displayed

=>A+B menu items for setting: - - d n

(hysteresis below operating position)

=>B or A for up or down: - - u P

(hysteresis is above operating position)

=>A+B to confirm setting and return to menu item d l r -

### 8.0 Return to measuring mode

By pressing A or B key 1 to 6 times depending on the selected menu item.

Sales and Shipping

Kobold Instruments, Inc.

1801 Parkway View Drive

Pittsburgh, PA 15025

Tel. 1-800-998-1020

Fax. (412) 788-4890