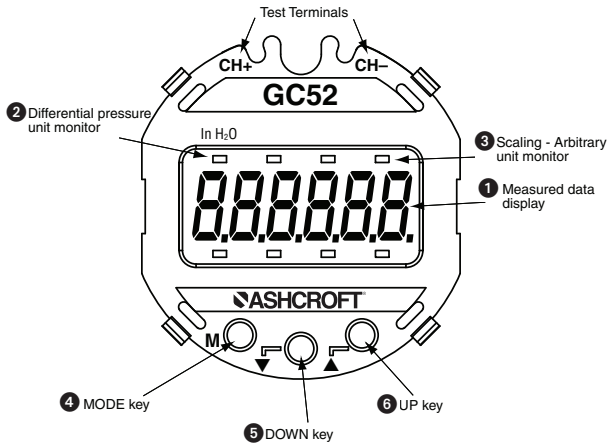


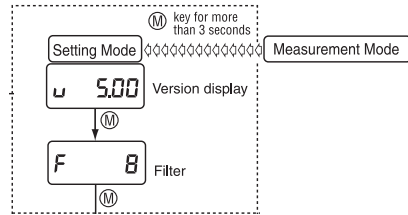
(See I&M Manual for Further Detail)

DISPLAY OVERVIEW



| DESIGNATION | FUNCTION |
|--------------------------------------|--|
| 1 Measured data display | Differential pressure, linear scaling value are displayed. |
| 2 Differential pressure unit monitor | When this unit monitor is ON, the differential pressure (in H ₂ O) is indicated on the measured data display. |
| 3 Scaling; arbitrary unit monitor | When this unit monitor is ON, the scaling value of an arbitrary unit (linear scaling), is indicated on the measured data display. |
| 4 MODE key M | This key is used to switch the setting mode and the measurement mode and to change the setting item. |
| 5 DOWN key ▼ | This key is used to change (decrease) and select the set value. |
| 6 UP key ▲ | This key is used to change (increase) and select the set value and to shift from the measurement mode to the zero adjustment mode. |

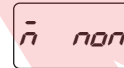
- Upon Power-Up the unit enters "Measure Mode" – displaying applied pressure.
- One function is available to the user in "Measure Mode".
 - Zero Adjustment Mode:** In the measurement mode, the pressure connection is open to the atmosphere and ▲ key is pressed for more than 3 seconds in order to shift to zero adjustment mode for zero point adjustment of the differential pressure sensor
 - If the zero point adjustment is performed correctly the message "ADJ" will be displayed for 2 seconds, and the display will return to the measurement mode.
- Four functions available to the User via "Setting Mode". To enter the "Setting Mode" hold (M) key for more than 3 seconds. (See last page for complete Setting Mode menu.)
 - Filter (Damping)**
 The filter is based on the moving average of the pressure data to decrease display "bounce" and to smooth the analog output due to system pressure fluctuations at the user's discretion.
 Five selections: (0, 2, 4, 8 and 16 seconds), Use ▲ ▼ keys to change value.
 If "0" is selected the filter is not applied.



- Re-scaling in "inH₂O" units:** "Pressure Display Mode" allows for zero (4mA) and span (20ma) adjustment of -10 to +110% Span respectively.

Note: 1. See menu schematic on last page for detail.

- Must be in "Pressure Display Mode" option within "Setting Mode," this is noted on the screen by



Use ▲ ▼ keys to move between "Pressure Display Mode" and "Linear Display Mode" which is for re-scaling in "Arbitrary" units.

- To adjust Output Zero Point (4mA) and Output Span Point (20mA) must be in the functional area as noted below and then adjustment is via ▲ ▼ keys. The value shown is a percentage of the pressure range (span) as noted on the product label (ex. If product was supplied as a 0-40 IWC range and the user desired the Output Zero Point (4mA) to be "moved" from 0 IWC to 20 IWC then Output Zero Point would be 50.0 which is 50%.

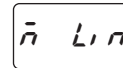
Values shown below are from I&M manual.

| Setting Item | LCD Display | Setting Description | Setting Range |
|-------------------|-------------|--|---|
| Display mode | | Selection of pressure display mode : non | non:pressure display mode Lin: linear display mode |
| Output zero point | | Analog output zero point (4mA) : 10.0 (%Span) | Pressure range:-10 to 110% Span |
| Output span point | | Analog output span point (20mA) : 90.0 (%Span) | Pressure range:-10 to 110% Span |

Note: For setting of zero point and span point in the analog output, input the percent value over the pressure range.

- Re-scaling in "Arbitrary" units, "Linear Display Mode:"** This function allows the user to establish a linear relationship from the standard "inH₂O" unit to any user defined unit.

Note: See menu schematic on last page must be in "Linear Display Mode" option within "Setting Mode", this is noted on the screen by



Use ▲ ▼ keys to move between "Linear Display Mode" and "Pressure Display Mode."

Quick Start Function Summary

Instructions for ASHCROFT® GC52



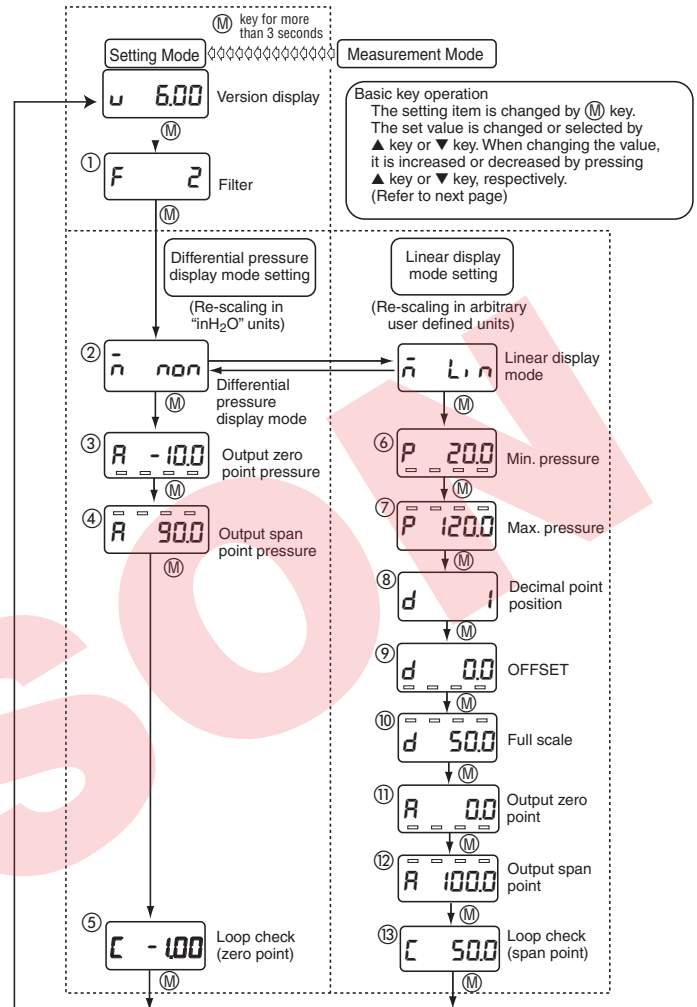
| Setting Item | LCD Display | Setting Description | Setting Range |
|----------------------------|-------------|--|---|
| Display mode | | Selection of linear display mode: Lin | non: Differential pressure display mode; Lin: Linear display mode |
| Min. differential pressure | | Min. differential pressure corresponding to OFFSET @:20.0(inH ₂ O) | Differential pressure range: 0 to 75% Span |
| Max. differential pressure | | Max. differential pressure corresponding to FULL SCALE @:120(inH ₂ O) | Differential pressure range: 25 to 100%Span |
| Decimal point position | | Display after decimal point Number of digits: 1 (digit) | 0,1,2,3 digit |
| OFFSET | | OFFSET corresponding min. differential pressure @: 0.0 (m) | -1999 to 1999 |
| FULL SCALE | | FULL SCALE corresponding to max. differential pressure @:50.0 (m) | -1999 to 1999 |
| Output zero point | | Analog output zero point : (4mA): 0.0 (%Span) | Max. display span: -10 to 110% Span |
| Output span point | | Analog output span point : (20mA): 100.0 (%Span) | Max. display span: -10 to 110%Span |

Note: Values shown are from example in I&M manual.

D. Loop Check: Use to send a 4-20mA signal meant to simulate applied pressure, can be accessed either through Pressure Display Mode or Linear Display Mode. See "Complete Setting Mode Menu"; Loop Check is noted on the screen with a prefix "C". The display is indicating in actual units and starts at the zero (4mA) point.

If \blacktriangle button is pressed, the linear display will auto increment by linkage between the linear display and the analog output. By continuing to press \blacktriangledown button, auto decrement will occur. Release the button at the desired indication.

Complete Setting Mode Menu



Notes: 1. Values shown are from example in I&M Manual.

2. Changes made within the Setting Mode are saved by returning to Measurement Mode before powering the unit "off."