






FOR INSTRUMENT STARTUP AND SHUTDOWN - SEE OVER


(*1) **Max / Live or Min / Max:** Press and hold LH button  to display *Maximum or **Minimum / Maximum readings (see note) since current mode was selected. Press and hold again to return display to live reading.
Note: Only available in *Leak Test Mode and **Confined Space Mode.


(*2) **Acknowledge Alarm:** Press and hold LH button  to acknowledge alarm.



(*3) **Backlight / Flashlight:** Press and hold Centre  button to switch backlight ON. Press and hold again to switch flashlight ON. (Flashlight not available in Pressure Mode and Bump Test mode). The backlight and flashlight are both timed to switch OFF after two minutes. Press and hold a third time to switch both backlight and flashlight OFF.

(*4) **Zero:** Press and hold RH button  to zero displayed range.

(*5) **Clear Flow Fault / Reset Pump:** Press RH button  to reset pump once flow blockage has been cleared.




(*6) **Clear Flow Fault (Confined Space Mode):** Press and hold RH button  to acknowledge flow fault once flow blockage has been cleared.

(*7) **View Barhole Results:** Press and hold LH button  to view this and previous barhole results to a maximum of six barhole tests.


Ticker (Geiger) - PPM Range: Press and hold UP  and DOWN  buttons simultaneously to enable / disable audible Ticker (Geiger), as follows:

Press and hold both buttons - to enable visual only.

Press and hold both buttons again - to enable both audible and visual.

| OPERATING MODE MENU | INSTRUMENT BUTTON OPERATION | | | | | |
|------------------------------|---|---|---|--|---|---|
| |  LH (INVERT) | |  CENTRE(RANGE) | |  RH (PUMP) | |
| | PRESS | PRESS + HOLD | PRESS | PRESS + HOLD | PRESS | PRESS + HOLD |
| LEAK TEST | INVERT DISPLAY | MAX / LIVE (*1) ACKNOWLEDGE ALARM (*2) | RANGE DISPLAY SCREEN CH ₄ or CH ₄ + CO | BACKLIGHT / FLASHLIGHT (*3) | PUMP ON / OFF CLEAR FLOW FAULT (*5) | FLAM PPM ZERO (*4) |
| CONFINED SPACE | INVERT DISPLAY | MIN / MAX (*1) ACKNOWLEDGE ALARM (*2) | ---- | BACKLIGHT / FLASHLIGHT (*3) | ---- | MANUAL LOG CLEAR FLOW FAULT (*6) |
| BARHOLE | INVERT DISPLAY | VIEW RESULTS (*7) | ---- | BACKLIGHT / FLASHLIGHT (*3) | CLEAR FLOW FAULT (*5) | START / STOP / PURGE |
| CO | INVERT DISPLAY | MANUAL LOG / CLEAR VIEWING | ---- | BACKLIGHT / FLASHLIGHT (*3) | PUMP ON / OFF CLEAR FLOW FAULT (*5) | ZERO (*4) / OK (CONTINUE) VIEWING |
| PURGE | INVERT DISPLAY | ---- | RANGE DISPLAY SCREEN VOL or VOL + O ₂ | BACKLIGHT / FLASHLIGHT (*3) | PUMP ON / OFF CLEAR FLOW FAULT (*5) | ZERO (*4) |
| SNIFFER | INVERT DISPLAY | ---- | ---- | BACKLIGHT / FLASHLIGHT (*3) | PUMP ON / OFF CLEAR FLOW FAULT (*5) | ZERO (*4) |
| PRESSURE | INVERT DISPLAY | ---- | ---- | BACKLIGHT (*3) | ---- | ZERO (*4) |
| BUMP TEST (if configured) | INVERT DISPLAY | NEXT RANGE / VIEW DETAILS | ---- | VIEW PREVIOUS 32 BUMP TESTS / EXIT | ---- | VIEW / APPLY CAL GAS |



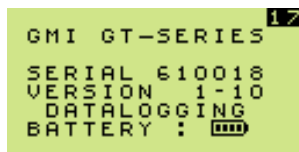
Switch Instrument ON: Press and hold RH button  , for one second, to switch the instrument ON in fresh air.

The instrument now begins its '30 second' warm-up cycle, during which, a countdown timer appears in the top right hand corner of the display. The display backlight illuminates and remains ON until the warm-up cycle is complete and then automatically switches OFF.

During the warm-up cycle, the instrument display identifies the model, serial number, software version and battery status information as shown below. (Note: By default, all GT series instruments are configured for Datalogging)

The battery capacity level is displayed for approximately five seconds during the warm-up cycle, then on the top of the display during normal operation.

The time and date from the instrument's built-in clock is then displayed on the screen during warm-up.



Next, the Calibration Due Date is displayed (if configured).

This feature has five options:

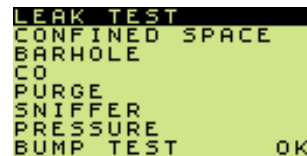
1. Cal Due Date message is not displayed.
2. Cal Due Date and overdue date messages are displayed.
3. (Default) Cal Due Date message is displayed with user acknowledge if overdue. If the Calibration date has expired, the user must acknowledge that Calibration is overdue by pressing and holding the RH Button, as indicated on the bottom line of the display. Alternatively, press and hold the LH button to initiate the instrument shut-down sequence.
4. Cal Due Date message is displayed with user acknowledge for extended period option, if overdue. If the Calibration date has expired, the user will have to either press and hold the RH Button to accept the extended period, or press and hold the LH button to proceed with the instrument shut-down sequence.
5. Cal Due Date message is displayed with user shut-down if overdue.

Service Due Date is then displayed (if configured). This feature also has five options similar to Cal Due Date and operate in the same way except that the default is same as Cal Due option 1, i.e. Service Due Date is not displayed. The instrument will now automatically select Leak Test Mode, as default.

Configurable options are available to either start up in any other operational mode or, to start up in the mode last used.

Check that instrument displays sample / flow fault when inlet is blocked (with a finger for example).

If fault is not displayed, check tightness of all fittings.



Switch Instrument OFF or Re-enter Mode Menu: Press and hold both



LH  and RH  buttons simultaneously to initiate shutdown sequence.

For the first two seconds, the Mode menu (shown above) will be displayed. Keep buttons pressed for a further three seconds to complete OFF sequence. Abort switching OFF at any time by releasing the buttons.

Note 1: In Carbon Monoxide and Barhole modes, a sub-menu may be displayed before reaching mode menu.

Note 2: In Confined Space Mode, to prevent inadvertently switching instrument OFF or changing mode while alarms are active, the user must press and hold both LH and RH buttons simultaneously for an additional five (5) seconds before the mode menu appears.

Change Operating Mode: (Only after purging in fresh air) Press UP 

or DOWN  buttons to highlight and select required operating mode then press and hold RH  button to confirm choice.

Invert Display: Press LH button  to invert the display and allow ease of reading in awkward situations.

Pump: Press RH button  to switch the pump ON and OFF.

Note: Not applicable to Confined Space Mode or Pressure Mode.

Range: Press Centre button  to change range. See table - over . .

For all other GT series instrument features and button functions, refer to User Handbook: GMI Part No. 67112