Calibration Solutions for Pressure and Flow™

REPLACEMENT EPROM KIT
For PG AND FPG TERMINALS

P/N 402372

Instruction Sheet

REPLACEMENT EPROM KIT FOR PG/FPG TERMINALS, INCLUDES:

DESCRIPTION	QTY	PART NO.
EPROM, PG/FPG Remote (ver 1.01b)	1	402372

This is a replacement EPROM kit for PG or FPG terminals.

REMOVAL OF PG/FPG VER 1.01a EPROM

❶ **Disconnect power cord.**

❷ **Turn the PG/FPG Terminal on it's back so all four (4) rubber feet show:** Remove the feet using a small screwdriver to pop them out. This will expose four cover screws (see Figure 1).

❸ **Remove all four cover screws.** Rotate PG or FPG terminal so it is facing up.

❹ **Remove enclosure cover from unit.** Just lift off the cover part way. The cover will not completely remove due to cables.

❺ **Disconnect cables prior to completely removing cover.** While holding the cover up, unplug the ribbon cable to the display and the flex cable for the membrane switch. The power supply board will be exposed (see Figure 2).

❻ **Detach three pin and six pin cables from power supply board.** The power supply is mounted in four (4) places with a stainless steel screw, a lock washer and a flat washer (see Figure 2).

❼ **Remove the power supply board.** Unscrew all four of the stainless steel screws, lock washers, and flat washers and retain them for use in remounting the power supply. The screws can be removed using a 2.5 mm Allen wrench. The power supply can now be removed (see Figures 2 and 3).

❽ **Remove old EPROM Ver 1.01a.** The old EPROM is located at U5 on the PG/FPG Terminal main board.

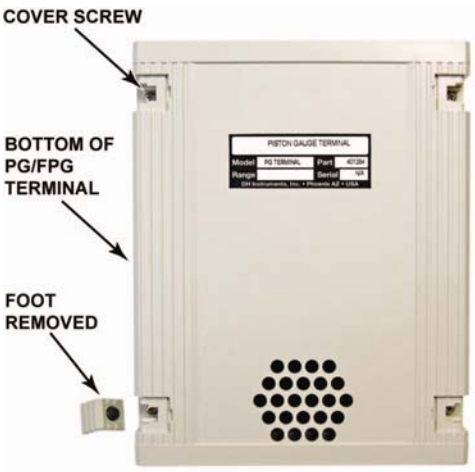

Figure 1: PG/FPG Terminal bottom with feet removed.

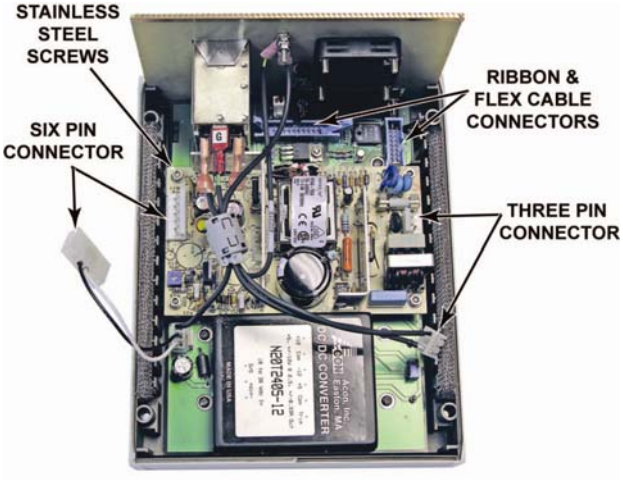

Figure 2: PG/FPG Terminal power supply board.



Figure 3: PG/FPG Terminal main board. Power supply removed.

REASSEMBLE THE PG/FPG TERMINAL

❶ **Install new EPROM 402370 Ver 1.01b.** The EPROM is installed at U5 on the PG/FPG Terminal main board lining up the notch on the EPROM with notch silk screened on the terminal main board (see Figure 4).

> EPROM notch must line up with notch silk screened on PG/FPG Terminal main board. If installed incorrectly, the EPROM will be destroyed on power up (see Figure 4).

❷ **Install the power supply board.** Position the power supply board in the correct mounting location with the standoffs on the main board. Install all four of the stainless steel screws, lock washers and flat washers. Tighten using a 2.5 mm Allen wrench.

> The flat washer should be positioned between the surface of the power supply board and the lock washer.

❸ **Reattach 3 and 6 pin cables to power supply.**

❹ **Assemble cover to base.** First reconnect the display ribbon cable and membrane switch flex cable on the main board. Then close cover and install cover screws.

❺ Pop the four rubber feet back into position over the four cover screws.

TESTING THE PG/FPG TERMINAL

❶ **Plug in the PG/FPG terminal.**

❷ **Turn power on whiling holding the ± key.** Display will show Ver 1.01b (see Figure 5).

❸ **Turn power off then on again (do not hold any keys down).** The initial display will show DH Instruments, Inc.

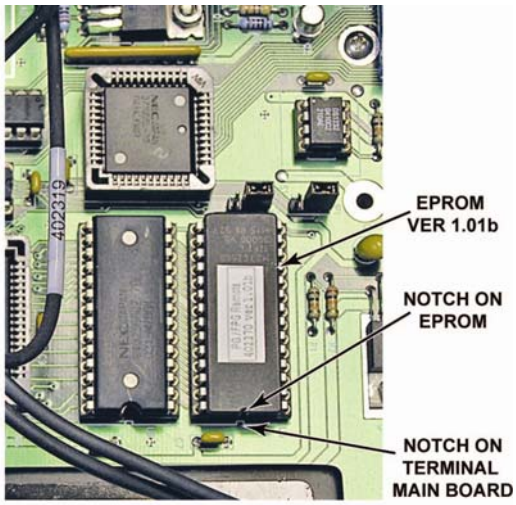

Figure 4: Orientation of EPROM on PG/FPG Terminal main board.



Figure 5: Testing the PG/FPG Terminal for correct version.

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