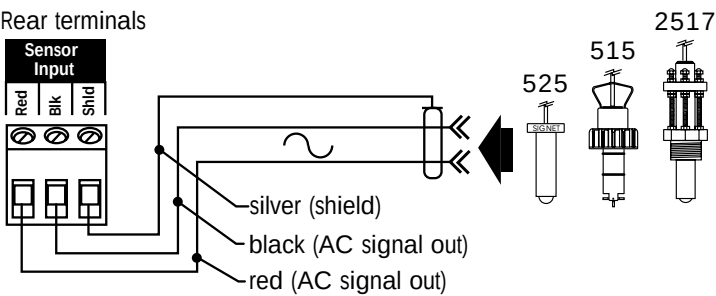


CAUTION!
Follow instructions carefully to avoid personal injury.

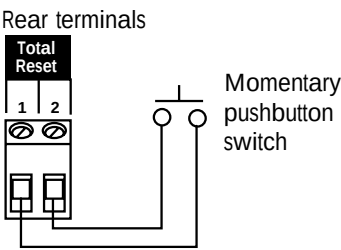
 = Caution, refer to instruction manual for more details

1. Compatible Sensor Wiring



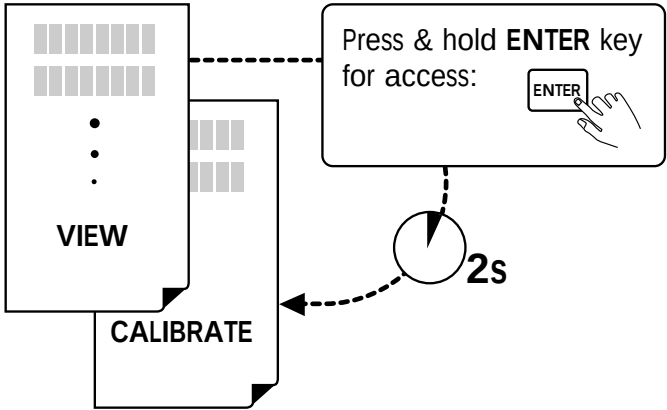
- Technical Notes:
- Use 2-conductor shielded cable for sensor cable splices up to 60 m (200 ft) max.
 - Maintain cable shield through cable splice.
 - Route sensor cable away from AC power lines.

2. Remote Totalizer Reset Wiring

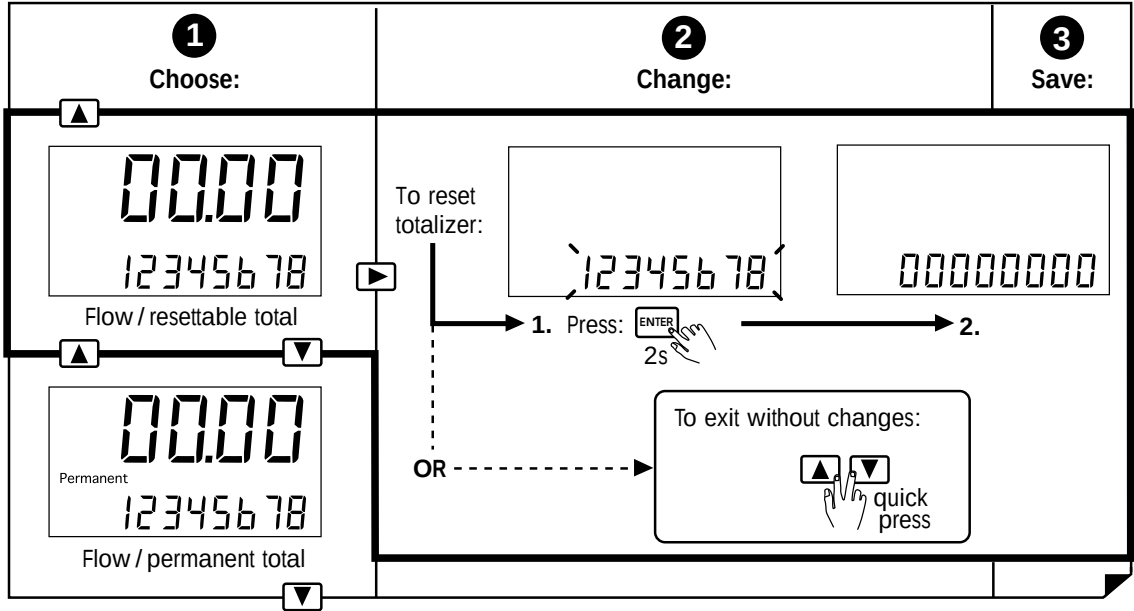


- Technical Notes:
- Use 2-conductor **twisted-pair** cable for reset lines up to 30 m (100 ft) max.
 - Route reset cable away from AC power lines.

3. Functions



4. VIEW (example)



- Resettable totalizer can be reset via front keypad or by remote switch contact closure (section 2).
- Permanent totalizer cannot be reset

5. CALIBRATE (example)

Key

Press buttons in sequence  to continue,

dashes disappear during key code entry.

1 Choose:	2 Change:	3 Save:
Flow KFactor 600 Flow K-factor 	Flow KFactor 00600 Enter K-factor 	Flow KFactor 174.67
Total KFactor 1000 Total K-factor 	Total KFactor 01000 Enter K-factor 	Total KFactor 174.67
Min Flow timebase 	Sec Min Hr Day Select timebase 	Sec Min Hr Day 
Display decimal 	Select position 	
d 15P SPEED Lo Display update 	d 15P SPEED Lo Lo = 4s, Hi = 2s 	d 15P SPEED Hi
To return to VIEW: 	To restore original value: 	

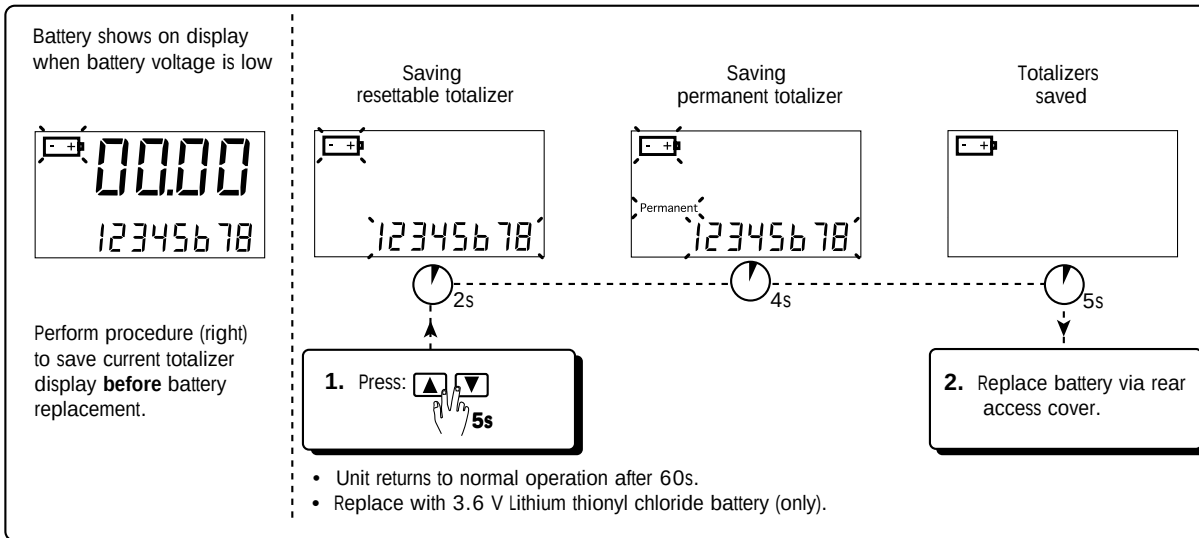
- Sets flow display K-factor: 00.001 to 99999. (see technical notes below)
- Sets totalizer display K-factor: 00.001 to 99999. (see technical notes below)
- Selects display timebase: Hours, minutes, seconds, or days
- Selects display decimal: --- -- . to --- -- . ---
- Selects display update time: "Lo" = 4s, "Hi" = 2s, choose "Lo" for maximum battery life.

Technical Notes:

- **Flow and Total K-factors:** These K-factor settings represent the number of pulses generated by the +GF+ SIGNET flow sensor for each engineering unit of fluid measured (published in flow sensor manual).

6. Totalizer Backup Procedure

The totalizer value can be stored in permanent memory to prevent loss before removing the battery.



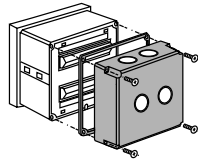
CAUTION: DISPOSE OF BATTERY PROPERLY!

Consult local authorities for proper battery disposal regulations.

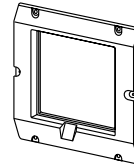
7. Parts and Accessories



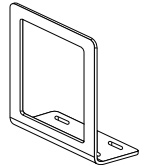
Replacement battery
#7400-0010
(code 198 829 024)



Splashproof rear cover
#3-5000.395
(code 198 840 227)



5 x 5 inch adapter plate for
+GF+ Signet retrofit
#3-5000.399
(code 198 840 224)



Optional surface mount
bracket #3-5000.598
(code 198 840 225)

- Front snap-on bezel, #3-5000.525 (code 198 840 226)
- Assorted flow unit / multiplier decals, #3-5100.611 (code 198 840 229)
- Instruction sheet, #3-5100.090-1 (code 198 869 913)

8. Specifications

General

Sensor compatibility: +GF+ SIGNET 515, 525, 2517 flow sensors only

Accuracy: $\pm 0.5\%$ of reading

Enclosure:

- Rating: NEMA 4X/IP65 front
- Dimensions: 1 / 4 DIN, 96 x 96 x 88 mm (3.8 x 3.8 x 3.5 in.)
- Case material: ABS plastic
- Keypad material: Sealed 4-key silicone rubber
- Weight: Approximately 400 g (14 oz.)

Display:

- LCD type: 4-digit upper, 8-digit lower
- Contrast: Automatically adjusts
- Low battery indication

Totalizers:

- 8-digit resettable
- 8-digit non-resettable

Environmental

Operating temp.: -5 to 65 °C (23 to 149 °F)

Storage temp.: -15 to 80 °C (5 to 176 °F)

Relative humidity: 0 to 95%, non-condensing

Quality Standards

- CSA, CE, UL listed
- Manufactured under ISO 9001

Electrical

Power:

- Internal 3.6 V Lithium thionyl chloride battery, 4.5 Ahr

Battery life:

- 4 years nominal

Totalizer reset:

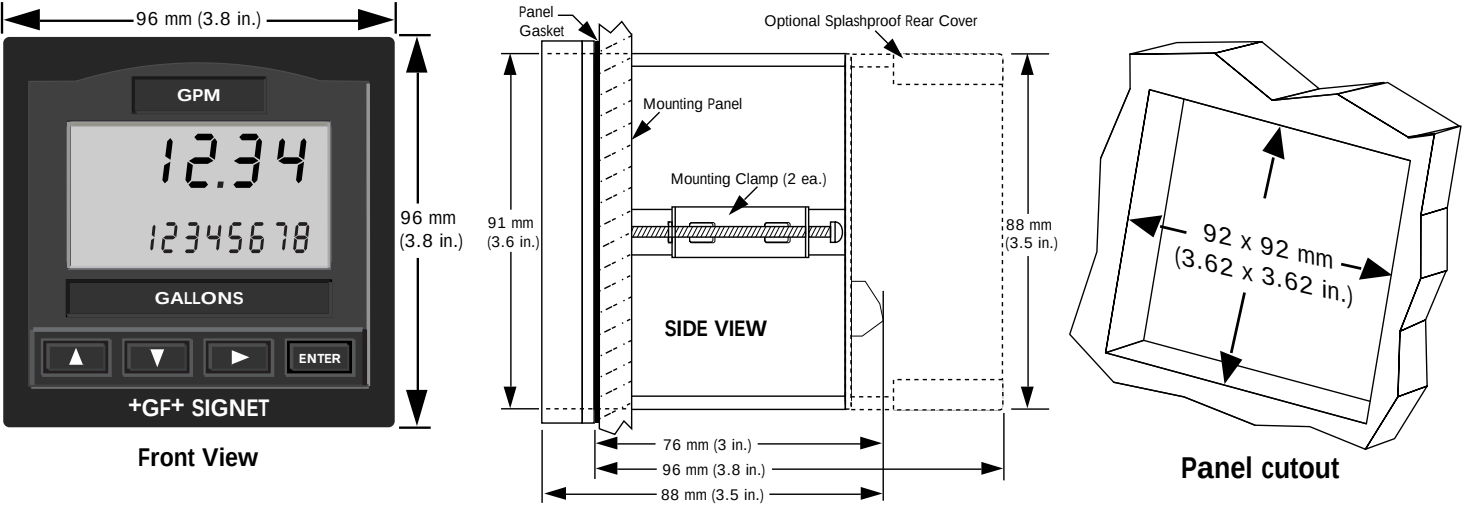
- Front keypad or external contact closure, 30 m (100 ft) max. cable length

Noise immunity: EN50082-2

Noise emissions: EN55011

Safety: EN61010-1

Dimensions



9. Troubleshooting

Setup Menu Messages

Display:	Cause:	Solution:
--- -- --	1. Display overrange 2. Display timebase too large	1. Move display decimal to right in CALIBRATE menu 2. Change flow timebase (Seconds, Minutes, Hours, Days) in CALIBRATE menu to a smaller value (e.g. from Days to Minutes)

10. Maintenance

Clean the instrument case and front panel with a soft cotton cloth and mild liquid soap solution.

+GF+ SIGNET

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