

Vantage 6000

Portable Ultrasonic Flow Meter



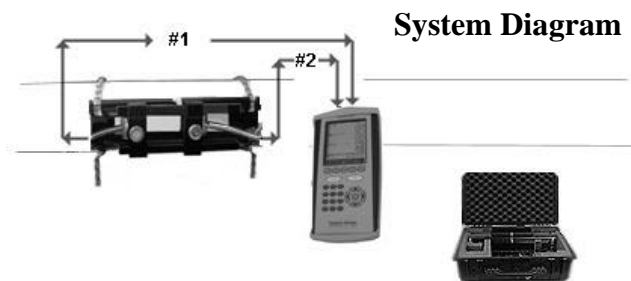
Eastech Badger
FLOW TECHNOLOGY GROUP 

The unit, depending upon the accessories ordered will be supplied with the 6000 hand held electronics module and display, AC power adapter , Pelican carrying case, Speedrail mounting brackets with mounting chain, two strap on sensors, sensor cables, communication cable and silicone grease.

It will be important to place the sensors and Speedrail assemblies at a place on the pipe, downstream from disturbances, to insure well developed velocity profiles to maintain specified accuracies.

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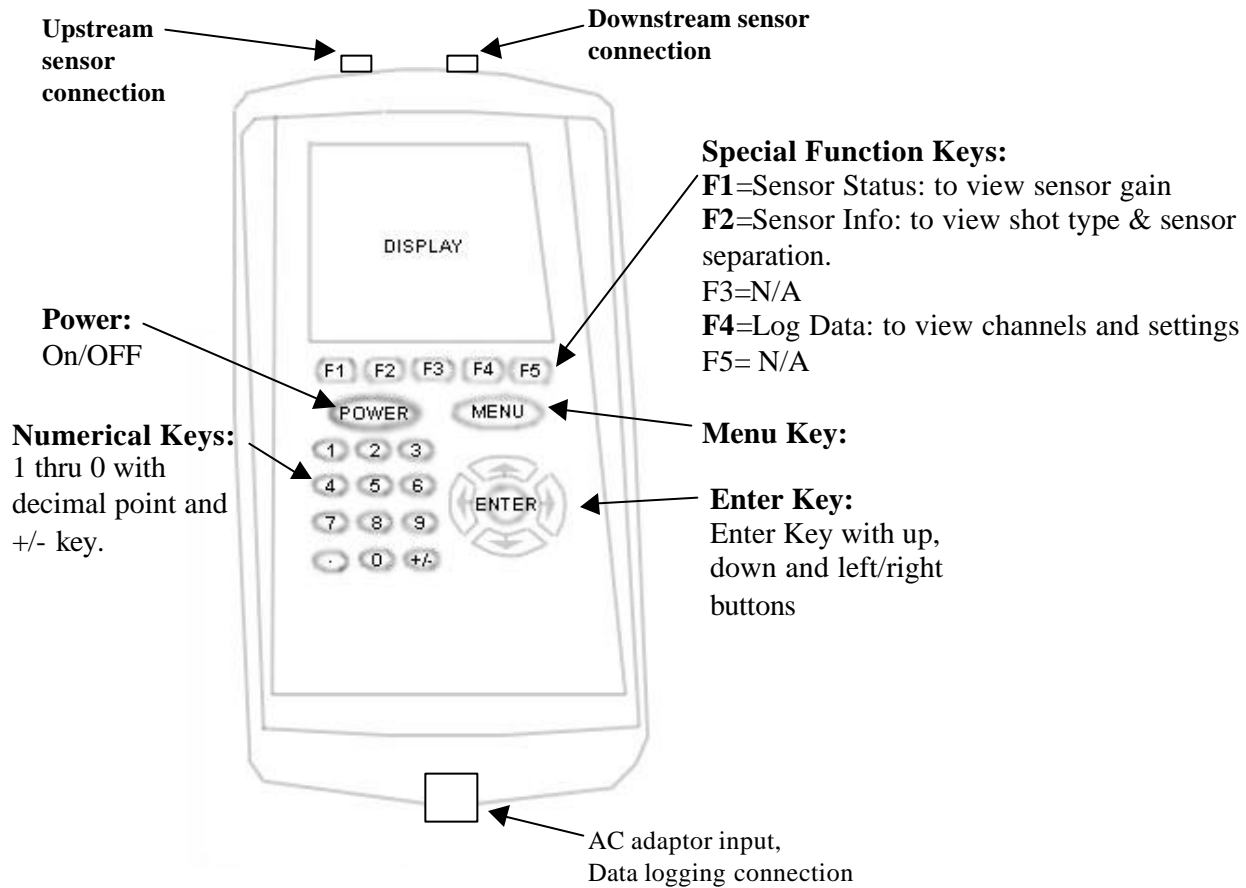
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General Specifications

Accuracy	+/- 0.5%
Linearity	+/- 0.5%
Repeatability	0.25%
Temperature Rating:	
Electronics	32 deg to 160 deg F
Sensors	-30 deg to 200 deg F
Humidity Rating	5 to 95%
Output	RS232 Data Logger
Display	160 x 128 Pixels graphical, LED backlit
Keypad	24 button tactical feed back
Power Requirement	
	Internal rechargeable 9.6 VDC battery
	External 115 to 230 VAC adaptor/charger
Electronics Enclosure:	
Dimensions	Water resistant molded polyamide with rubber Boot
Sensor Material	11 in x 5.5 in x 3.5 in.
Sensor Cable	Ultem plastic, anodized aluminum
SpeedRail	3 meter length, optional 6 meter extension
Mounting chain	Anodized aluminum and 316s/s
Carrying case	Stainless steel
Total carrying weight=	Pelican* Series 1550
	@ 25 lbs.

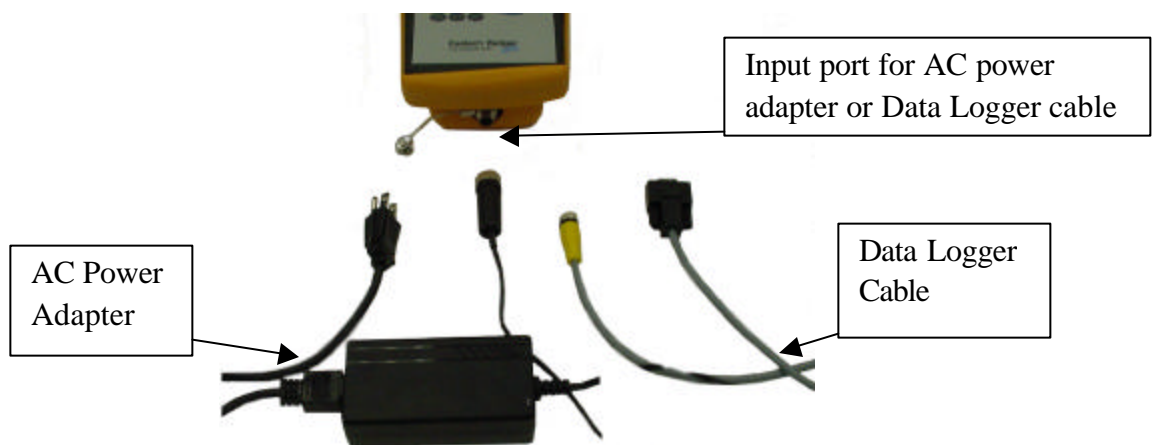
6000 Electronics Module



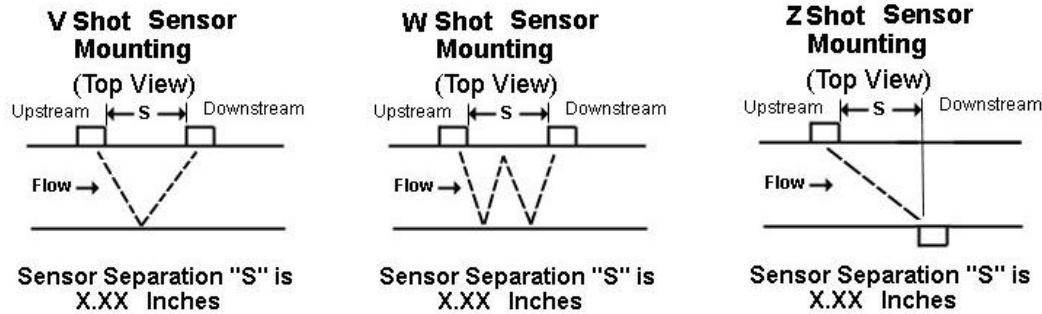
Cables provided with the Vantage 6000 are:

- 1 each AC adaptor module and cable: end connection AC wall plug to 8 pin connector. (PN 544748-0001)
- 1 each Data logger cable, end connections DB9 to 8 pin connector. (PN 544749-0001)
- 2 each Sensors and cables 10ft with 8 pin end connections

Battery is 9.6 VDC (PN 501735-0001)



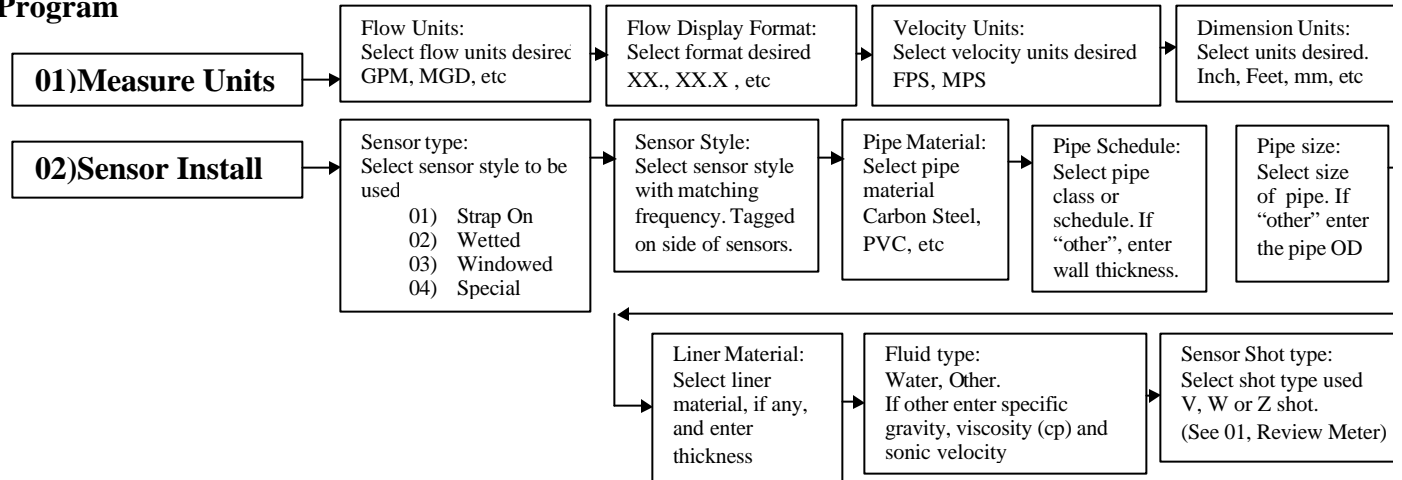
01)Review Meter: Shot styles and sensor separations. (Also available from Main Screen, key F2)



To Program Meter for Specific Applications: Press the “Menu” key, then the 02 keys.

To Select specific items type the number displayed in front of the required selection.

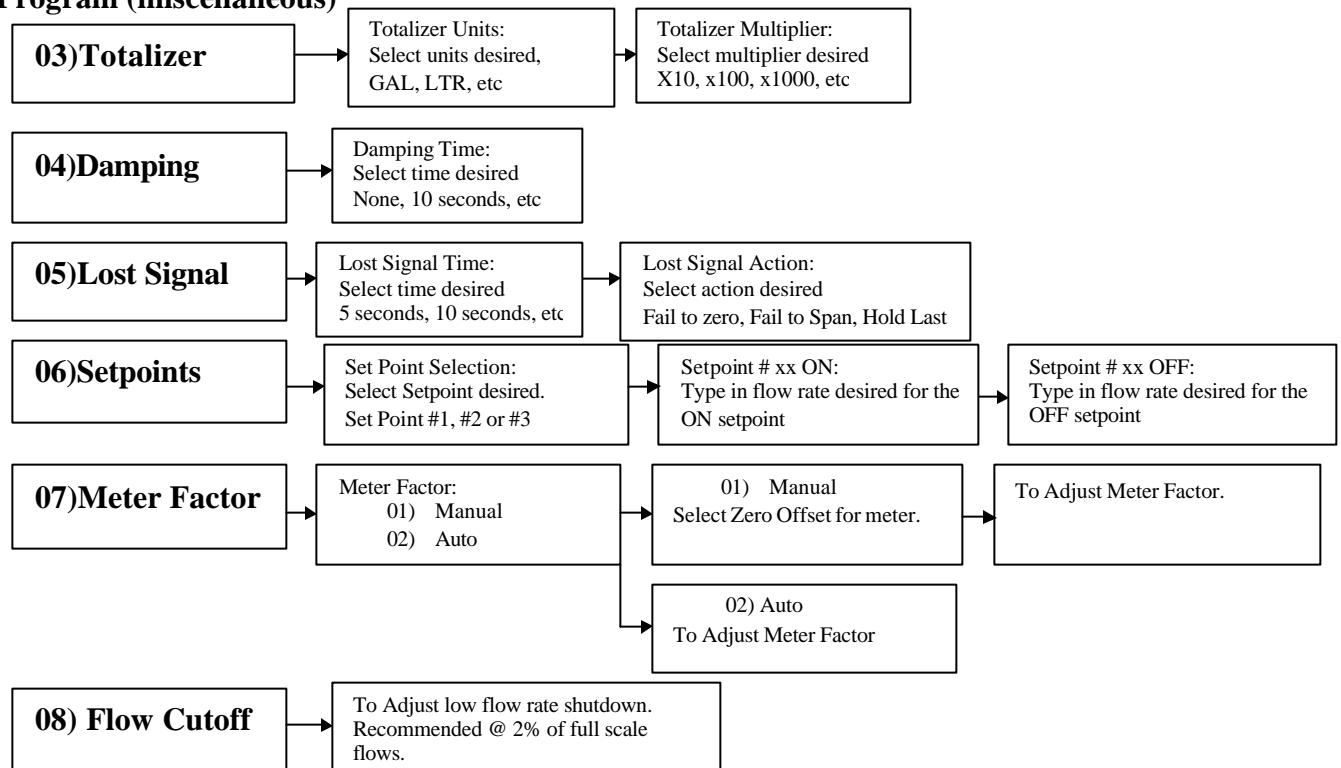
02)Program



Press the “Menu” key then the “Enter” key to store new programming data.

Press the “F2” key on the keypad to review sensor separation distances.

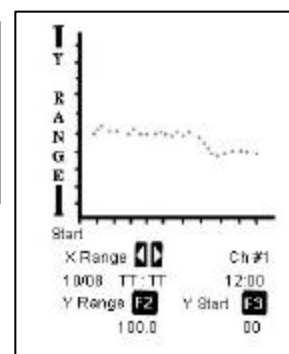
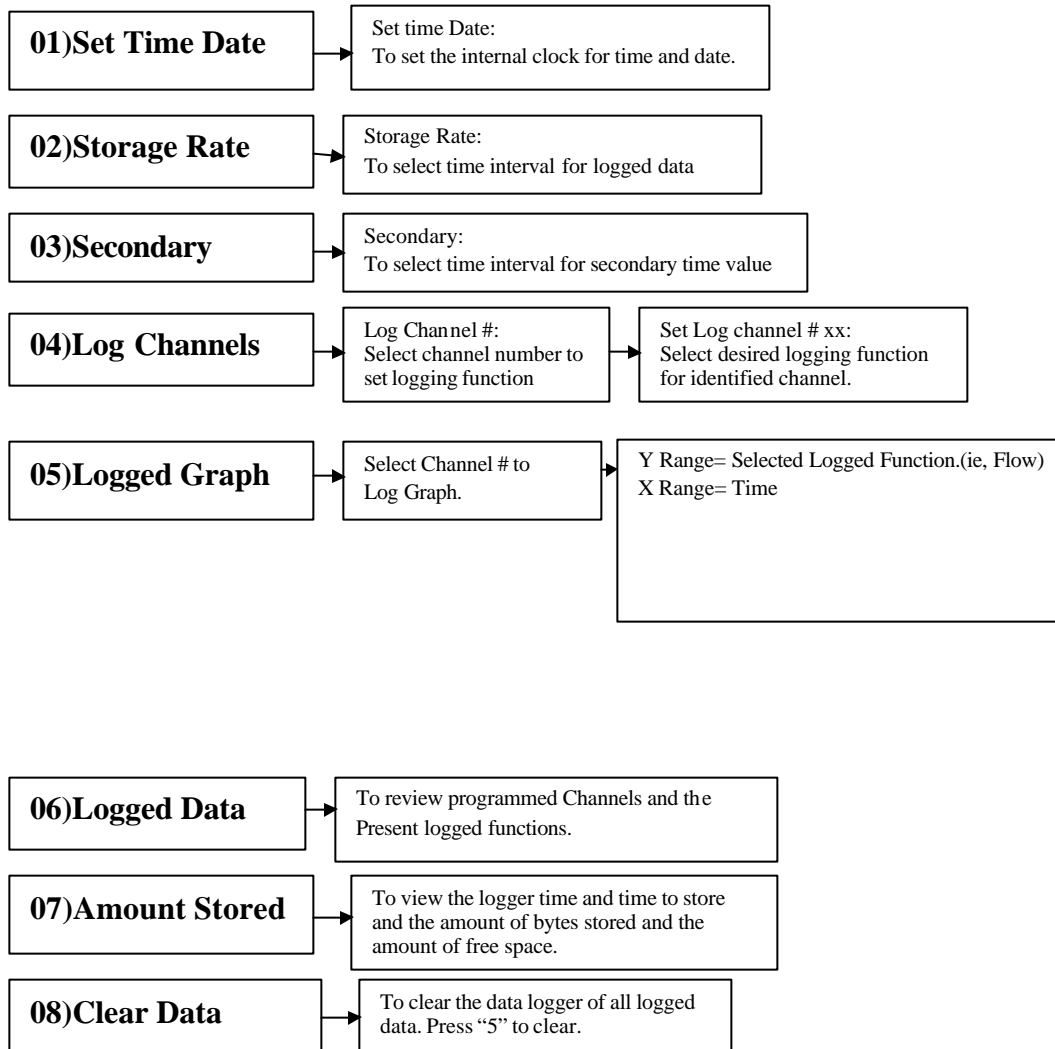
02)Program (miscellaneous)



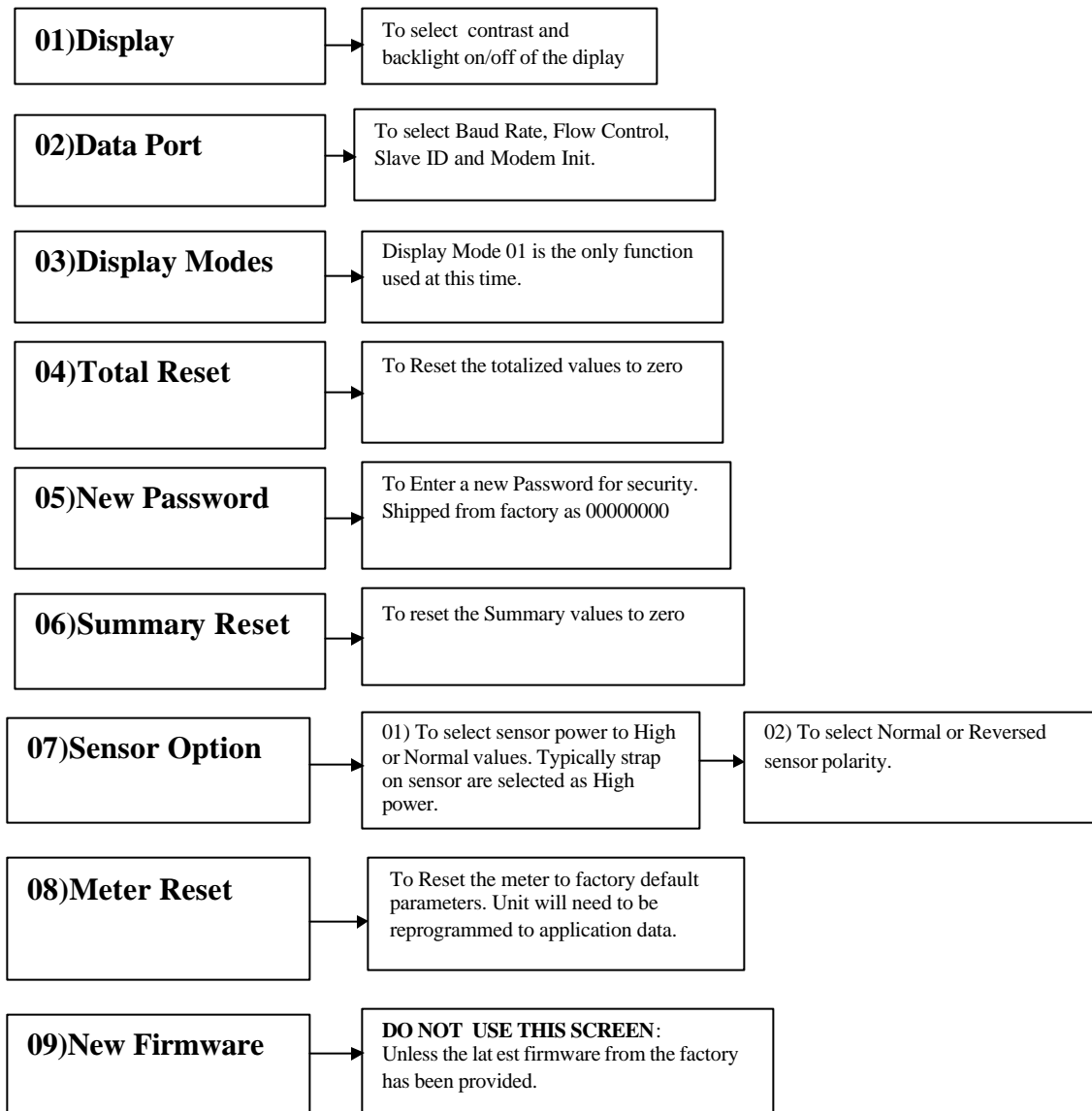
03)Daily Sum

To view the last eight days of:
Maximum, minimum and average flows and the
time of the event.
Use the left arrow to view the previous day.

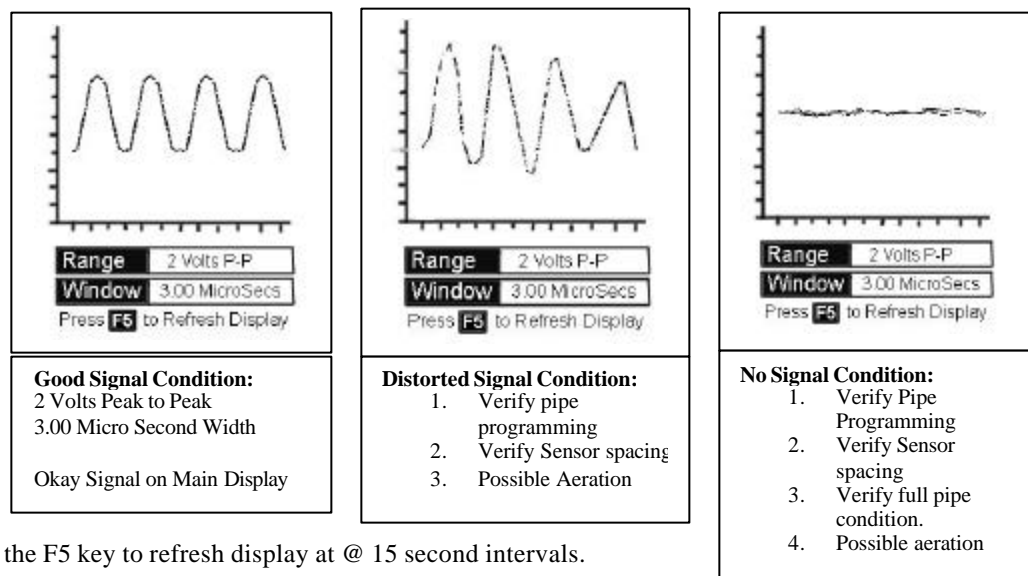
04)Data Logger



05)System Setup

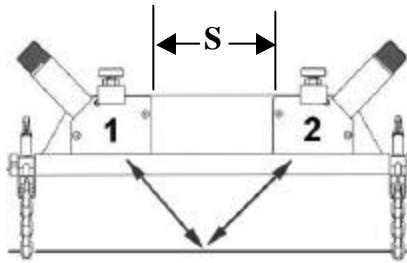


06)View Signal

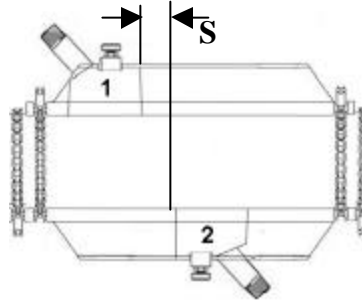


Press the F5 key to refresh display at @ 15 second intervals.

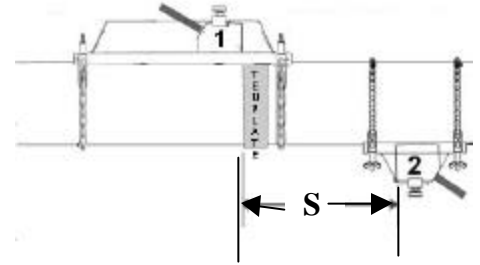
**V or W shot
Using One VZC Speedrail**



**Zshot 1" to 24" pipe
Using VZC Speedrails**





**Zshot >24" and Larger
Using Template**



TOP VIEW OF PIPE
(For all three shot styles)

Sensor and Speed Rail Installation:

1. Refer to "F2" key on keypad or "Review" in meter programming for sensor separation for programmed application.
2. Sensor Rails are to be placed on the side of the pipe. (not the top or bottom of pipe)
3. Wrap chain around the pipe and attach to the clip on the clip and thumb screw assembly.
4. Tighten the wing nuts to secure rail to the pipe. 
5. Place silicone grease on the face of the sensor. 
6. Place sensor #1 into position in the speedrail and slide the retaining bracket over the sensor. Noting orientation of sensor cable.
7. Tighten the thumb screw to where the sensor is snug with the pipe.
8. Repeat steps 5 through 7 for sensor #2.

