

# Compu-Flow™



## The COMPU-FLOW™ model C6 ULTRASONIC DOPPLER FLOW METER

*Specifically designed for both CLEAN and DIRTY fluids.*

### **The COMPU-FLOW™ model C6 :**

- The industry's most "User Friendly" ultrasonic Doppler flow meter.
- The 32 character LCD "Smart Display" provides rate and totalization simultaneously in virtually all Metric and English standard engineering units.
- No math or hand calculations "Period" !
- On screen prompting and keypad entry make setup effortless.
- Digital pulse train transducer output is easily transmitted up to 5000 feet.
- 4-20 mA, Hi-Lo limit alarms (2 individual 12 VDC @ 50 mA).
- RS232 Data Transfer Via DB9 Port or USB Terminal.
- Batch Control – Scalable Pulse 12 VDC Nominal Isolated @ 50 mA.
- Internal 12 VDC battery (Solar Panel optional).
- Portable & Dedicated models available (Provided in NEMA 4X enclosures).
- Data Logger 2-32 Gb Flash Drive with cable and software (optional).
- Wireless Signal Systems (optional).

**The COMPU-FLOW™  
Model C6**  
SPECIFICATIONS:

**POWER**  
Nominal 150 mA  
220/117 VAC/12 VDC

**OUTPUTS**  
4-20mA (Max. z 1000 ohm)  
Digital Pulse Train (0-12V),  
Hi & Lo limit Alarms,  
RS232 & Batch Control

**FLOW RANGE**  
FPS: 0-50 fps  
Resolution .1 fps

**PIPE ID RANGE**  
2"-48" Magnetic  
½"- 999" Doppler

**ACCURACY**  
1%  
(Function of flow profile)

**LINEARITY**  
+/- 0.5 %

**REPEATABILITY**  
+/- 0.1 %

**DIMENSIONS – C6P**  
7.75" x 4.25"x 2.5"

**WEIGHT**  
Portable: 8 Lbs.  
Dedicated: 5 Lbs.

**LED INDICATORS**  
Green – Power  
Yellow – Echo  
Red – Hi/Low Alarm

**DISPLAY**  
NEMA – 4X hinged  
(+4° F to +140° F)

**TRANSDUCER**  
Submersible – Potted  
(-70° F to +300° F)

**TOTALIZER**  
12 digit LCD  
Lifetime Memory Backup.

**RATE METER**  
4 digit LCD  
Digital Bar Graph

**CABLE LENGTH**  
0 to 5000 ft.  
25 ft standard

**ENGINEERING UNITS**  
English & Metric



**Model C6P**

**APPLICATIONS:**

COMPU-FLOW™ Flowmeters  
Easily Measure these  
Material Flowing inside of  
Pipe Lines or in Open  
Channels:

- Potable water
- Ag water
- Abrasives
- Acids
- Asphalts
- Caustics
- Chemicals
- Concrete
- Dredge flows
- Drilling mud
- Large Contaminants
- Extremely Viscous Substances
- Food Processings
- Grout
- Hazardous Wastes
- Hydrocarbons
- Liquids
- Municipal Sludges and Wastes
- Oils
- Paper Pulp
- Product Processing
- Plastics
- Rendering Products
- Reservoirs
- Rivers and Streams
- Runoffs
- Sludges
- Slurries
- Suspended Solids
- Tars
- ...and More!

**INCLUDED EQUIPMENT**

**DEDICATED**

- 1) NEMA 4X display
- 2) Transducer & 25' cable
- 3) Tiedown Kit
- 4) Sonic Coupling Gel
- 5) Operators Manual
- 6) C6 Power Supply

**PORTABLE**

- 7) All of the above plus:
- 8) 12V 1.0 AH Battery
- 9) 117 VAC Battery Charger
- 10) Tote Handle & Side Latch
- 11) Field Transport Case

**DOPLER ULTRASONIC EXTERNAL CLAMP-ON**  
Sensors ideal for smooth clean pipe walls.



**SINGLE POINT INSERTION MAGNETIC FLOW METER.**



**WARRANTY**

All COMPU-FLOW™ flow meters are covered under a one year Warranty. Full details are on the Warranty Form.