



## AX-6800 Gravity Flow Meter



### Features:

- Direct Measurement of Mass Flow and Mass Consumed
- High Accuracy Flow Measurements over a Wide Measurement Range
- Overflow and Low Liquid Level Warning Functions
- IEEE-488 Computer Interface Option Available
- No Need for Temperature Or Specific Gravity Compensation
- Variety of preprogrammed measurement functions including: Instantaneous Flow, Integrated Flow, And Interval Averaged Flow

### Applications:

### Description:

The Digital Flow Meter AX-6800 may be combined with any of the GB Series Flow Detectors to enable the measurement and display of mass liquid flow.

Measured data include instantaneous flow, integrated flow, interval averaged flow ( over set time intervals ). And using an engine rpm signal, it is possible to measure consumed fuel for each engine stroke.

A remote box is provided for controlling test start, stop and printout of measurement results.

Additionally, an IEEE-488 interface is available as an option ( IEEE-488 option installed ).



## AX-6800 Gravity Flow Meter

### Specification:

- Instantaneous Flow Display:  
2 Row 20 Characters LCM
- Instantaneous Flow Units:  
g, ml, s, min, REV
- Instantaneous Flow Sampling Time:  
1 ~ 10 Sec. ( settable in 1 Sec. increment )
- Interval Averaging Section Units:  
g/s, g/min, k/h, ml/min, l/h, gal/h, mg/st, mm<sup>3</sup>/st, rpm
- Instantaneous Flow Measurement:  
Measurement & display of flow rate & engine rpm at set gate time interval
- Integrated Flow Measurement:
  - Manual Start/Stop  
Integrated flow measured from start to stop ( signals applied by panel switches or external device )
  - Flow Set Control  
After start, integration performed until a set flow rate is achieved
  - Time Set Control  
After start, integration performed until set time elapsing
- Parameter Setting  
Specific gravity, integration auto stop ( time or flow ), number of P/R from rpm detector, number of cycles, number of cylinders, analog output range
- Alarm Function  
lamp, and contact output when overflow or low level condition detected
- Analog Output  
± 5V with respect to the detector measurement range
  - Total Accuracy: ± 0.2% of full scale
  - Linearity: ± 0.05% of full scale
- Power Requirements  
110 or 220 VAC, approximately 100 VA
- Operating Temperature: 0 to 40°C
- Outer Dimensions: Approx. 196 × 85 × 270 mm
- Weight: Approx. 4 Kg