

# DYNAMIC FLOW COMPUTERS

*We Lead Where Others Follow*

## ECHART LITE

### APPLICATIONS

Gas, Liquid & Water  
Well Head Measurement  
Custody Transfer  
Compressor Stations  
Field Mounted Trending

### INSTRUMENTATION

Annubar  
Orifice Plate  
Slotted DP  
V Cone  
Wedge  
Verabar  
Venturi

### PRODUCTS

Natural Gas	Crude
Industrial Gases	NGL
Refined Products	Water

### STANDARDS

API, ISO, AGA  
Metric & US Units

### SPECIFICATIONS

10-28 VDC @ 25mA  
NEMA 4X Class 1, Div. 1  
Group B,C & D Housing  
32Bit Processor@16.7 Mhz

### GRAPHIC DISPLAY

64 X 128 Pixels  
Min Max Charting  
Minute Hour or Days  
Automatic Scrolling

### EXPANSION MODULE

1 Analog Out  
2 Analog Inputs  
2 Frequency/Status Inputs  
1 Switch Output

### INTERFACING

2 Magnetic Buttons  
1 SD Memory Slot  
1 Analog/RTD Input  
RS232/485 Com Ports  
Rosemount Multivariable  
Accuracy: .075% of  
Calibrated Range

### INTERROGATION

Direct Serial Interface,  
Bluetooth, TCP/IP,  
Wireless, Satellite,  
Modbus



## Latest Technology

- SD Memory Stick
- Bluetooth Connectivity
- Magnetic Buttons
- I/O Expansion Module



**Dynamic**  
FLOW COMPUTERS

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# ECHART FLOW COMPUTERS

*The Alternative to Chart Recorders without the Added Cost*

## Chart Recorders



### Low Cost Chart Recorder Chart Integration

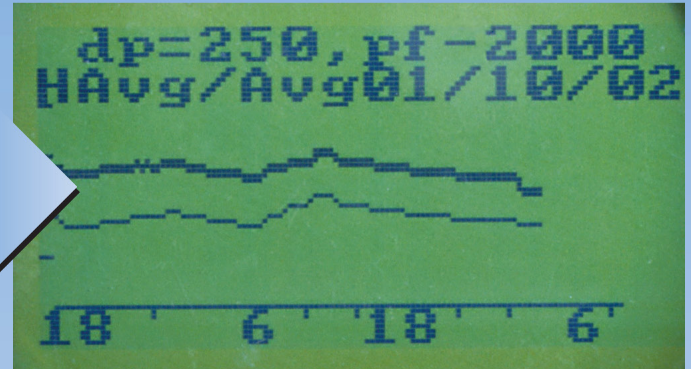
No  
No  
No  
No  
No  
No

Walk by SCADA by paper chart

No  
No

Low Accuracy Weekly/Monthly Charts

## EChart Lite



### Low Cost EChart Flow Computer

Electronic Calculation/Report

Real Time Volume & Audit

Minimum-Maximum Plotting

I/O Expansion Module

Logic Control Functions

Plunger Lift Control Options

Tubing & Casing Monitoring

Walk By Scada by Memory Stick

Magnetic buttons for Calibration & Change Orifice Size

Wireless Bluetooth

High Accuracy, Minimum Maintenance

## Don't Move, We've Got You Covered

**EChart Lite, More Reliable & Less Maintenance**

### Low cost data gathering

- Walk by Scada
- Wireless communication Bluetooth

### Solar Option

- Built-in 2.6 AmpHr @ 12V Battery Pack
- 10 Watt Solar Panel

### Complete Station Solution

- 2 Liquid Legs
- Tubing & Casing Pressure
- Plunger Lift Control

### More Accurate Measurement

- Uses State of the Art Rosemount Multivariable transmitter with accuracy of 0.075% or 0.1% and 9 times per second Update.



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