

# MODEL 5022 - CHART RECORDER



## Chart Recorder

Eastech design engineers have successfully combined three separate products; a direct-drive chart recorder, open channel flowmeter and 8 channel datalogger into a single unit. Engineering and plant personnel may now specify an extremely accurate and cost-efficient system to monitor and measure flow in one compact integrated assembly. The 5022 Chart Recorder is the first of its kind to be recognized as a single Nema 4, 4X assembly that combines high accuracy flow measurement with onboard chart monitoring of open channel flow. The Chart Recorder employs IEEE754 single floating point precision in all of its computations. An error of less than 0.0000005% is introduced during any level to flow conversion.

**18 month  
warranty**

### FEATURES

- ▶ Fully Integrated Package
- ▶ Powered by Flowmeter
- ▶ User Selectable Output Ranges and Recording Times
- ▶ High/Low Alarms and Display of Min/Max Readings
- ▶ Locking Control Keypad & Door
- ▶ User Calibration
- ▶ Wall Mounting Bracket
- ▶ Floating Point Display with Display Format Selection
- ▶ Superbright Digital Display

### SPECIFICATIONS

Accuracy	.05% Full Scale
Power Source	90/240 VAC, 50/60 Hz • 12-24 VDC @ 400 mA
Channels	One
Recorder Display	112 x 16 Graphical
Display Dim.	52.5 mm x 11.5 mm
Chart Rotation	User Selectable
Chart Range	0 - 100% of Full Scale
Chart Size:	100 mm Diameter
Recording Time	24 Hour, 7 day, 31 day (user selectable)
Response Time	4 sec. - 60 sec. (user selectable)
Calibration	User Zero Calibration (Keypad)
Calibration Options	User: Zero Point; Factory: Zero Point and Span
Alarms	Up to 5 SPDT Relays (pluggable) 3A @ 120 VAC / 24 VDC
Chart Replacement Alarm	Flashing LED (Red)
Environmental protection	Nema 4, 4X
Temperature	Standard: -4° to 158°F (-20° to 70°C) With Heater: -40° to 158°F (-40° to 70°C)
Mounting	Wall or Freestanding
Dimensions	8.875" x 9.25" x 7.19" (includes flowmeter)
Weight	7 lbs. (2.3 kg)
Included Accessories	3 Pens, Starter Pack of 50 Charts
Warranty	18 Month