

Technical Specifications: EcoMag 6420

Parameters	Specifications
Flowmeter	
Nominal diameter (mm)*	10 to 200
Working process pressure (kg/cm ²)	5
Working process temperature	Up to 55°C
Electrode material*	SS 316 Std.
Sensor lining*	Not applicable
Measuring tube material*	HDPE
Sensor housing material*	HDPE
End connection*	Flange
Flange standard*	ANSI 150
Flow tube ingress protection*	IP 65 - Std. IP 68 - Optional for flow tube with remote transmitter variant
Flow transmitter ingress protection	IP 67
Installation*	Inline flanged type
Accuracy of measured value	±1% of measured value
Repeatability	±0.2% of Span
Features	
Measuring range	0.2 to 12 m/sec. Bi-directional
Display version	Integral/Remote
Display type	16 characters x 2 row LCD, 5 digit flow rate and 8 digit totaliser
Units	All standard engineering and metric units
Current output	Std. 4 - 20 mA DC Optionally, HART [®] signal superimposed on 4 - 20 mA
Digital output*	Usable as active output or open collector output Settable pulse width (ms): 10, 20, 30, 40, 50, 60, 70, 80, 90, 100 200, 300, 400, 500, 600, 700, 800, 900, 1000 1100, 1200, 1300, 1400, 1500, 1600, 1700, 1800, 1900, 2000
Digital input*	Only potential-free input contact
Modbus*	Over RS 485 (Modbus RTU) Baud rates: 2400, 4800, 9600, 19200, 38400 Parity: odd, even, none Stop bits: 1, 2
Relay outputs*	2* Relays Contact configuration: NO-Pole-NC potential free Contact rating: 5 A at 230 V AC
Batching option*	With 1 Relay output
Data logger*	Logged data: Serial Number, Date, Time, Flowrate, Totaliser Number of records: 75000 Log intervals: 15 min/30 min /1 hr/2 hr/4 hr/6 hr/12 hr/24 hr
Communication	
GSM/GPRS communication*	Supports 2G network Features: SMS, Email
Bluetooth*	Onboard bluetooth supporting android application
Electricals	
Power supply*	24 V DC or 80 - 300 V AC/DC
Fuse rating	500 mA for AC power, 1 A for DC power Fast blow, Glass body 5x20 mm
Cable length between transmitter and flow tube for remote variant	Std. 10 m Up to 50 m max.
Terminal connectors	Suitable for 1.0 - 2.5 mm ² conductor size
Environmental	
Operating temperature	0 - 55°C
Operating humidity	5 - 95% RH non-condensing

* Options as specified at the time of ordering