



JVM-60CG with RT-Ex Display Flow Monitor and Manifold



Engineering Specifications:

- Flow rate monitor
- 316 Stainless Steel construction
- 1/4" Pressure gage adapter
- Optional 4-20 mA output
- Full port ball valves
- Tri-Clamp connections
- Teflon gaskets
- Optional limit output

What is a JVM-60CG with RT-Ex display flow monitor and manifold?

The JVM-60CG with RT-Ex display and manifold unit was designed to replace outdated mechanical flow meters currently used in paint mix rooms. With a large digital display and high accuracy, this unit is very easy to see and gives the operator the ability to set pump flow rates at a glance. With the optional 4-20mA upgrade all the flow rate information is easily relayed to a PLC for monitoring of a possible no flow or high flow condition, thus allowing the operator to alert the paint booth before they run out of paint. The manifold has three full port ball valves, tri-clamp connectors with Teflon O-rings and a threaded port for a pressure gauge. The JVM-60CG with display and manifold is the latest in a long line of quality flow meters and solutions from AW Company.



AW Company

JVM-60CG with RT-Ex Display Flow Monitor and Manifold

JVM-60CG Flow Meter Technical Data



Materials of Construction:

Body:	316SS
Flow Range:	0.1 to 20 GPM
Gear:	Stainless Steel
O-Ring:	Teflon / Viton Optional
Bearings:	Tungsten Carbide
Shafts:	Tungsten Carbide
Accuracy:	± 0.5% over 10:1 Turndown with 30 cP Fluid
Repeatability:	± 0.1%
Temperature:	180° C / 400° F
Filtration:	Not Provided - 120 Micron recommended
Porting:	3/4" NPT

RT-Ex2 & RT-Ex3 Flow Meter Technical Data

RT-Ex2 & RT-Ex3 Specifications:

Power:

- RT-Ex2:** Internal Lithium "D" Cell Battery
4 Year Battery Power Minimum
- RT-Ex3:** 24 VDC/500mA. (customer supplied)

Sensor/Monitor Frequency Range:

- RT-Ex2:** 0-800 Hz
- RT-Ex3:** 0-4000 Hz

Temperature Rating:

- RT-Ex2:** -20° to 80°C (-4° to 175° F) Ambient
- RT-Ex3:** -20 to 85°C (-4 to 185°F) Ambient
80° C (175° F) Maximum Fluid Temperature

Enclosure Certifications:

- Class I, Groups B, C, D
- Class II, Groups E, F, G
- Class III
- Cenelec: EExd IIC, IP66
- NEMA 4X, 7BCD, 9EFG
- CSA Certified Standard C22.2-30
- FM Class No. 3615
- ISSEP Cenelec Standard EN 50014, 50018
- INIEC Cert. Rating EX88B103703U

RT-Ex3 Specifications ONLY:

Analog Output 4-20 mA:

- 12-bit D/A Converter
- Internal Powered Loop Output.
- Max. Load Impedance: 500 ohm.

Device Certification:

- EPSILON LTD. CENELEC EEx dm IIC, T6
- Standard EN 50014, 50018, & 50028

Connection:

- Labeled Pigtail Leads
- 1/2" NPT Conduit Provisions

Two Opto-Isolated Open-Collector Outputs:

- 5-30 VDC Rating, 50 mA Max. (Minimum Load Impedance Required, 600 Ohm @ 30 VDC)

Opto-Isolated Reset Input:

- 5-30 VDC Input, 3.3Kohm Impedance



Manifolds

The manifolds are sized to meet your space requirements. In order to price the manifold we require the length between flanges where you will be inserting the manifold. Please contact AW Company or your distributor for pricing.

Products may be subject to change without notice - Contact factory for current information

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