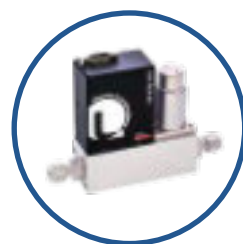
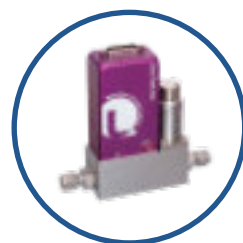




Mass Flow Solutions



Specialized Series Product Features



Line Tech is proud to present three new additions to its product portfolio starting 2020 : LD, LM, and EX Series. The new display series LD sees an implementation of built-in display technology into our widely popular M3030 and M2030 models, allowing real-time flow measurement and control. The LM Series delivers superb performance while driving the cost down thanks to MEMS technology. Finally, our EX series answers to the calls for a MFC / MFM for applications in hazardous environment.

LD Series (0.01 slpm ~ 30 slpm)

Time-Tested MFC / MFM with Built in Displays allowing real-time flow monitoring

LM Series (0.01 slpm ~ 30 slpm)

Cost efficient MEMS technology series with improved performance

EX Series (30 slpm ~ 1000 slpm)

State of the art Explosion Proof Series for applications in hazardous environments

LD Series



LM Series



EX-Proof Series



Special Types

Specialized Mass Flow Controller Specifications

MODEL	Full Scale N2(slpn)	Accuracy (%FS)	Repeatability (%)	Response Time(sec)	In/Out Signal (Vdc/mA)	Supply Power (Vdc)	Max Operating Pressure	Max Operating Temp(°C)
LD030C	0.01 ~ 30	± 1.0	± 0.25	<2	0~5 Vdc	+15 ~ 24	< 90 bar	0 ~ 50
LM030C	0.01 ~ 30	± 1.0	± 0.25	<1	0~5 or 4~20	+15 ~ 24	< 10 bar	0 ~ 50
EX070C	0.01 ~ 100	± 1.0	± 0.25	<2	0~5 or 4~20	+15 ~ 24	< 90 bar	0 ~ 50
EX1000C	100 ~ 1000	± 2.0	± 0.25	<2	0~5 or 4~20	+15 ~ 24	inquiry	0 ~ 50

Specialized Types Mass Flow Meter Specifications

MODEL	Full Scale N2(slpn)	Accuracy (%FS)	Repeatability (%)	In/Out Signal (Vdc/mA)	Supply Power (Vdc)	Max Operating Pressure	Max Operating Temp(°C)
LD030M	0.01 ~ 30	± 1.0	± 0.25	0~5 Vdc	+15 ~ 24	< 90 bar	0 ~ 50
LM030M	0.01 ~ 30	± 1.0	± 0.25	0~5 or 4~20	+15 ~ 24	< 10 bar	0 ~ 50
EX070M	0.01 ~ 100	± 1.0	± 0.25	0~5 or 4~20	+15 ~ 24	< 90 bar	0 ~ 50
EX1000M	100 ~ 1000	± 2.0	± 0.25	0~5 or 4~20	+15 ~ 24	inquiry	0 ~ 50

LD030C

Mass Flow Controller with Display

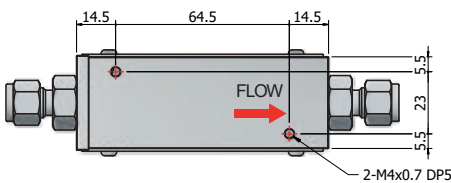
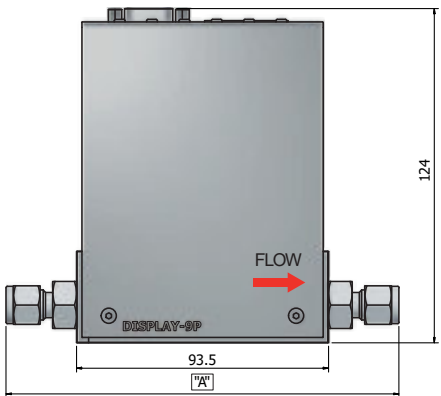
Features

- Accurate Real Time Flow Measurements
- Real Time Setting Changes
- Fast Response
- Wide Pressure Range Compatibility
- Excellent Linearity
- Long-Term Stability
- High Corrosion Resistance
- Highly Stable Removable Sensor
- Compact Connection

Specifications

Model	LD030C
Range(N2)	0.01slpm~30slpm
Response Time	<2 sec
Accuracy	±1% of FS
Repeatability	±0.25%
In/Out Signal	0~5Vdc
Supply Power	+15 or +24Vdc, 350mA
Max Operating Pressure	<90 bar
Max Operating Temp	0~50°C
Leak Rate	1×10^{-9} atm. cc/sec
Control Range	3~100%

Connection	"A" Dimension(mm)
1/8" SW	140.2
1/4" SW	141.5
3/8" SW	147.8
1/4" VCR	141.3



LD030M

Specifications

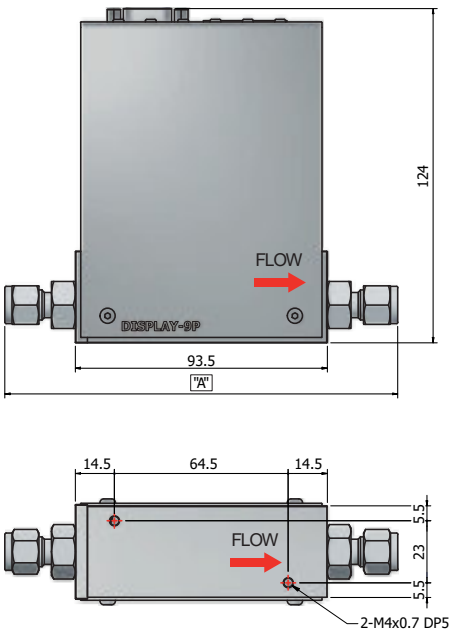
Model	LD030M
Range(N2)	0.01slpm~30slpm
Accuracy	±1% of FS
Repeatability	±0.25%
In/Out Signal	0~5Vdc
Supply Power	+15 or +24Vdc, 350mA
Max Operating Pressure	<90 bar
Max Operating Temp	0~50°C
Leak Rate	1×10 ⁻⁹ atm. cc/sec
Control Range	3~100%

Connection	"A" Dimension(mm)
1/8" SW	140.2
1/4" SW	141.5
3/8" SW	147.8
1/4" VCR	141.3

MEMS Tech Mass Flow Meter

Features

- Real Time Flow Measurements
- Accurate at Low Flow
- Fast Response
- Wide Pressure Range Compatibility
- Excellent Linearity
- Long-Term Stability
- High Corrosion Resistance
- Highly Stable Removable Sensor
- Compact Connection



LM030C

MEMS Tech Mass Flow Controller

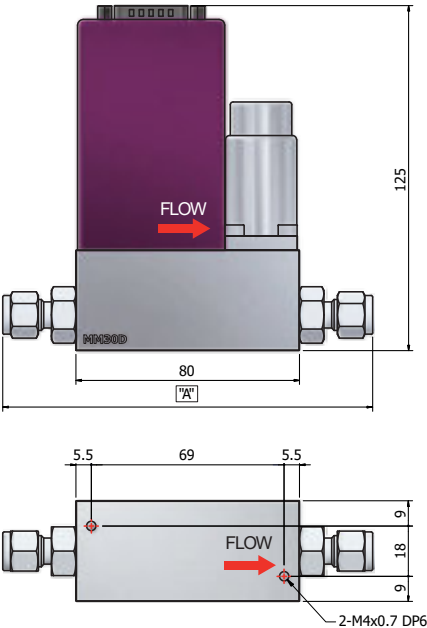
Features

- Accurate at Low Flow
- Outstanding Cost Efficiency
- Improved Response Time
- Wide Pressure Range Compatibility
- Excellent Linearity
- Long-Term Stability
- Compact Connection

Specifications

Model	LM030C
Range(N2)	0.01slpm~30slpm
Response Time	<1 sec
Accuracy	±1% of FS
Repeatability	±0.25%
In/Out Signal	0~5Vdc or 4~20mA
Supply Power	+15 ~ +24Vdc
Max Operating Pressure	<10 bar
Max Operating Temp	0~50°C
Leak Rate	1×10 ⁻⁹ atm. cc/sec
Control Range	3~100%

Connection	"A" Dimension(mm)
1/8" SW	126.7
1/4" SW	128
3/8" SW	134.3
1/4" VCR	127.8



LM030M

MEMS Tech Mass Flow Meter

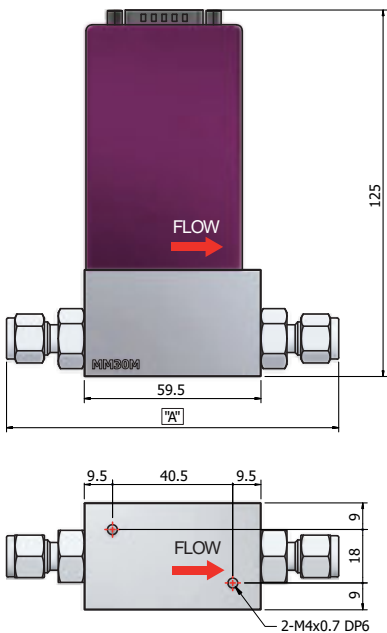
Features

- Accurate at Low Flow
- Outstanding Cost Efficiency
- Improved Response Time
- Wide Pressure Range Compatibility
- Excellent Linearity
- Long-Term Stability
- Compact Connection

Specifications

Model	LM030M
Range(N2)	0.01slpm~30slpm
Accuracy	±1% of FS
Repeatability	±0.25%
In/Out Signal	0~5Vdc or 4~20mA
Supply Power	+15 ~ +24Vdc
Max Operating Pressure	<10 bar
Max Operating Temp	0~50°C
Leak Rate	1×10 ⁻⁹ atm. cc/sec
Control Range	3~100%

Connection	"A" Dimension(mm)
1/8" SW	106.2
1/4" SW	107.5
3/8" SW	113.8
1/4" VCR	107.3



EX070C

Ex-Proof Mass Flow Controller

Features

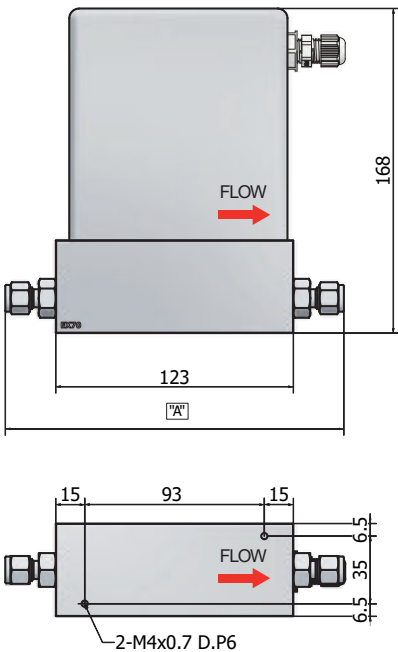
- Accurate at Low Flow
- Fast Response
- Wide Pressure Range Compatibility
- Robust Industrial Construction
- Excellent Linearity
- Long-Term Stability
- High Corrosion Resistance
- Highly Stable Removable Sensor

- Safe for Hazardous Environment
- Ex ec<C T4 Gc
- IP 65 Grade

Specifications

Model	EX070C
Range(N2)	0.01slpm~100slpm
Response Time	<2 sec
Accuracy	±1% of FS
Repeatability	±0.25%
In/Out Signal	0~5Vdc or 4~20mA
Supply Power	+15 ~ +24Vdc
Max Operating Pressure	<90 bar
Max Operating Temp	0~50°C
Leak Rate	1×10 ⁻⁹ atm. cc/sec
Control Range	3~100%

Connection	"A" Dimension(mm)
3/8"SW	178.8
1/2"SW	191
3/4"SW	192.6



EX070M

Specifications

Model	EX070M
Range(N2)	0.01slpm~100slpm
Accuracy	±1% of FS
Repeatability	±0.25%
In/Out Signal	0~5Vdc or 4~20mA
Supply Power	+15 ~ +24Vdc
Max Operating Pressure	<90 bar
Max Operating Temp	0~50°C
Leak Rate	1×10 ⁻⁹ atm. cc/sec
Control Range	3~100%

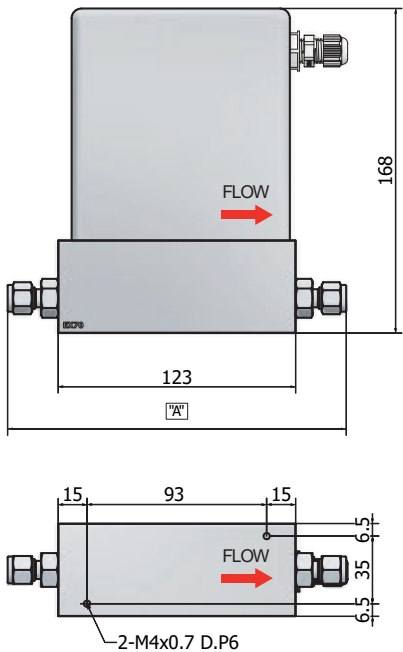
Connection	"A" Dimension(mm)
3/8"SWG	197
1/2"SWG	206
3/4"SWG	209

Ex-Proof Mass Flow Meter

Features

- Accurate at Low Flow
- Fast Response
- Wide Pressure Range Compatibility
- Robust Industrial Construction
- Excellent Linearity
- Long-Term Stability
- High Corrosion Resistance
- Highly Stable Removable Sensor

- Safe for Hazardous Environment •
- Ex ec<C T4 Gc •
- IP 65 Grade •



EX1000C

Ex-Proof Mass Flow Controller

Features

- Accurate at Low Flow
- Fast Response
- Wide Pressure Range Compatibility
- Robust Industrial Construction
- Excellent Linearity
- Long-Term Stability
- High Corrosion Resistance
- Highly Stable Removable Sensor

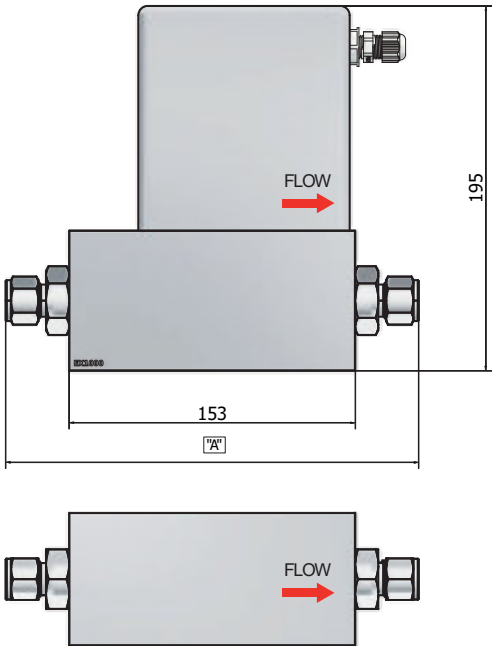
- Safe for Hazardous Environment
- Ex ec<C T4 Gc
- IP 65 Grade



Specifications

Model	EX1000C
Range(N2)	100slpm~1000slpm
Response Time	<2 sec
Accuracy	±2% of FS
Repeatability	±0.25%
In/Out Signal	0~5Vdc or 4~20mA
Supply Power	+15 ~ +24Vdc
Max Operating Pressure	inquiry
Max Operating Temp	0~50°C
Leak Rate	1×10 ⁻⁹ atm. cc/sec
Control Range	3~100%

Connection	"A" Dimension(mm)
1/2" SW	221
3/4" SW	222.6
1" SW	229.6



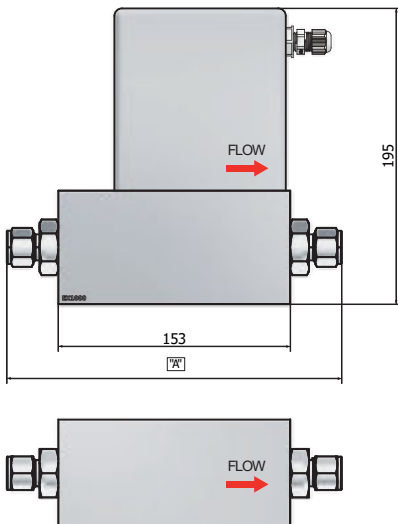
Greater than 40 psig (2.76 bar) inlet pressure required for flows greater than 100 slpm N2 equivalent

EX1000M

Specifications

Model	EX1000M
Range(N2)	100slpm~1000slpm
Accuracy	±2% of FS
Repeatability	±0.25%
In/Out Signal	0~5Vdc or 4~20mA
Supply Power	+15 ~ +24Vdc
Max Operating Pressure	inquiry
Max Operating Temp	0~50°C
Leak Rate	1×10 ⁻⁹ atm. cc/sec
Control Range	3~100%

Connection	"A" Dimension(mm)
1/2" SW	218
3/4" SW	221
1" SW	229.8



Greater than 40 psig (2.76 bar) inlet pressure required for flows greater than 100 slpm N2 equivalent

MEMS Tech Mass Flow Meter

Features

- Accurate at Low Flow
- Fast Response
- Wide Pressure Range Compatibility
- Robust Industrial Construction
- Excellent Linearity
- Long-Term Stability
- High Corrosion Resistance
- Highly Stable Removable Sensor

Safe for Hazardous Environment •

Ex ec<C T4 Gc •

IP 65 Grade •



Authorised Distributor



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