



Technology for Precision Measurements



PHASE DYNAMICS MID RANGE MODEL NUMBERS

ML AA BC DE FG HI JK "L" CONFIGURATION
MU AA BC DE FG HI JK "U" CONFIGURATION
MZ AA BC DE FG HI JK "Z" CONFIGURATION

Field AA designates process connection:

1R	- ANSI Class 150 RF Flange	1J	- RTJ	1F	- Flat Face
3R	- ANSI Class 300 RF Flange	3J	- RTJ	3F	- Flat Face
6R	- ANSI Class 600 RF Flange	6J	- RTJ	6F	- Flat Face
9R	- ANSI Class 900 RF Flange	9J	- RTJ	9F	- Flat Face
5R	- ANSI Class 1500 RF Flange	5J	- RTJ	5F	- Flat Face

Field B designates measurement section diameter:

2	- 2 inch
3	- 3 inch
4	- 4 inch

Field C designates measurement section material:

0	- 316 / 316L Stainless	2	- Monel
1	- Duplex 2205	3	- Hastelloy

Field D designates measurement section temperature range:

1	- 160° F (71°C) Maximum	4	- 400° F (204°C) Maximum
2	- 220° F (104°C) Maximum	6	- 600° F (315°C) Maximum

Field E designates measurement range:

0	- 0% to Inversion Point Water in Oil (Oil Continuous Phase Only)
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Field F designates enclosure type:

4	- NEMA 4X (only certification available is CSA)	X	- No Electronics Enclosure
E	- Explosion Proof		

Field G designates electronics system:

X	- Standard Electronics and Standard Oscillator Module
S	- Stand-alone Standard Oscillator Module

Field H designates system cable length:

0	- 30 feet (standard length)	5	- 30 feet Low Temp
1	- 50 feet	6	- 50 feet Low Temp
2	- 100 feet	7	- 100 feet Low Temp
3	- 150 feet (maximum length)	8	- 150 feet Low Temp (maximum length)
X	- No Cable		

Field I designates certification requirements:

1	- PDI – 3/4" NPT Conduit Entry	5	- PDI – M20 Conduit Entry
2	- Factory Mutual – 3/4" NPT Conduit Entry	6	- CE EEx II 2 G/D ATEX – 3/4" NPT Conduit Entry
3	- CSA – 3/4" NPT Conduit Entry		
4	- CE EEx II 2 G/D ATEX – M20 Conduit Entry		

Field J designates communication protocols:

0	- RS-422 ASCII	2	- MODBUS [®] RTU RS-485 (Standard)
1	- RS-485 ASCII (Multi Drop)	3	- HART [®]

Field K designates power requirements:

blank	- 120 VAC 60 Hz (standard)	D	- 120 VAC 60Hz with Enclosure Heater
A	- 230 VAC 50 Hz	E	- 230 VAC 50 Hz with Enclosure Heater
B	- 24 VDC	F	- 24 VDC with Enclosure Heater
C	- 120 VAC 50 Hz	G	- 120 VAC 50 Hz with Enclosure Heater

Note: Mid Range Analyzer, 0 to Inversion, is **not** available in 1-inch pipe.