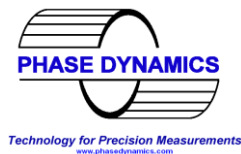


PHASE DYNAMICS, INC.
MODEL NUMBER CODE



A B C D E F G H I J K L M N O

A. Measurement Range:		Field <u>A</u>
Low Range (up to 20% Water in Oil)		L
Mid Range (0% to Inversion Point Water in Oil)		M
High Range (Inversion Point to 100% Water in Oil)		H
Full Range (0 to 100% Water in Oil)		F
Parts Per Million		A
B. Measurement Section Configuration:		Field <u>B</u>
Insertion		I
Flow-Through "L"	<u>Note:</u> Not Available for 1 Inch Analyzers	L
Flow-Through "U"		U
Flow-Through "Z"		Z
CD. Process Connection:		Field <u>CD</u>
<i>Raised Face (RF), Ring Type Joint (RTJ), or Flat Face (FF) Flanges</i>		
ANSI Class 150#		1R, 1J, 1F
ANSI Class 300#		3R, 3J, 3F
ANSI Class 600#	<u>Note:</u> Flat Face Not Available Above 300#	6R, 6J
ANSI Class 900#		9R, 9J
ANSI Class 1500#	<u>Note:</u> Not Available for Insertion or 4" "U" Analyzers	5R, 5J
National Pipe Thread (NPT)	<u>Note:</u> Only Available for 1 Inch Analyzers	TH
E. Measurement Section Diameter:		Field <u>E</u>
<i>Flow-Through Analyzer:</i>		
1 Inch	<u>Note:</u> Only Available for Low Range	1
2 Inch		2
3 Inch		3
4 Inch		4
<i>Insertion Analyzer:</i>		
3 Inch ONLY		3
F. Measurement Section Material:		Field <u>F</u>
316/316L Stainless (Standard)		0
Duplex 2205 with Teflon Coated Center Rod		1
Hastelloy with Teflon Coated Center Rod		3
316/316L Stainless with Teflon Coated Center Rod Only		6
G. Process Temperature Range:		Field <u>G</u>
32 - 160°F (0 - 71°C)		1
32 - 220°F (0 - 104°C)		2
32 - 400°F (0 - 204°C)	<u>Note:</u> Not Available for 1 Inch Analyzers	4
32 - 600°F (0 - 315°C)	<u>Note:</u> Not Available for 1 Inch Analyzers	6
Special Temperature Range - Consult Factory		5



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H. Measurement / Salinity Range:

Field H

For Low Range Analyzers:

0 to 4% Water in Oil

0

0 to 10% Water in Oil

1

0 to 20% Water in Oil

2

For Mid Range Analyzers:

0% to Inversion Point Water in Oil (Oil Continuous Phase Only)

0

For High and Full Range Analyzers:

0.1 to 8.0% Salinity

3

8.0 to 25.0% Salinity

4

0.1 to 25.0% Salinity

6

Special – Consult Factory

9

Heuristic Salinity™ - 0.1 to 8.0% Salinity Note: Requires Touchscreen Electronics

A

Heuristic Salinity™ - 0.1 to 25.0% Salinity Note: Requires Touchscreen Electronics

C

IJ. Electronics and Enclosures:

Fields IJ

Standard Oscillator Module:

In NEMA 4X Enclosure: Note: PDI or CSA Certification Only for NEMA 4X

With Enhanced 4-Line LCD Electronics

4B

With Expanded 4-Line LCD Electronics

4C

With Enhanced Touchscreen Electronics

4D

With Expanded Touchscreen Electronics

4E

In Standard Explosion Proof Enclosure:

With Enhanced 4-Line LCD Electronics in 3 or 6-hole EP Enclosure

EB, FB

With Expanded 4-Line LCD Electronics in 6-hole EP Enclosure

FC

With Enhanced 4-Line LCD Electronics in 4 or 5-hole EP Enclosure

HB, IB

With Expanded 4-Line LCD Electronics in 4 or 5-hole EP Enclosure

HC, IC

With Expanded 4-Line LCD Electronics in 8-hole EP Enclosure (CCM Only)

GC

With Enhanced Touchscreen Electronics in 3 or 6-hole EP Enclosure

ED, FD

With Enhanced Touchscreen Electronics in 4 or 5-hole EP Enclosure

HD, ID

With Expanded Touchscreen Electronics in 4 or 5-hole EP Enclosure

HE, IE

With Expanded Touchscreen Electronics in 6-hole EP Enclosure

FE

With Expanded Touchscreen Electronics in 8-hole EP Enclosure (CCM Only)

GE

Special – Consult Factory

SP

In Stainless Steel Explosion Proof Enclosure:

With Enhanced 4-Line LCD Electronics in 3-hole EP Enclosure

3B

With Expanded 4-Line LCD Electronics in 3-hole EP Enclosure

3C

With Enhanced Touchscreen Electronics in 3-hole EP Enclosure

3D

With Expanded Touchscreen Electronics in 3-hole EP Enclosure

3E

Stand-Alone Oscillator Module: Note: Only for OEM Orders

With Integral Transmitter

XS

With Optional Enhanced 4-Line LCD Electronics in NEMA 4X Enclosure

4G

With Optional Enhanced 4-Line LCD Electronics in 3-hole Explosion Proof Enclosure

EG

K. Cable Lengths:

Field K

30 feet

0

50 feet

1

100 feet

2

150 feet

3

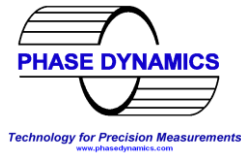
7 feet

4

No Cable

Note: No Cable Provided for Stand-Alone Analyzers

X



PHASE DYNAMICS, INC. MODEL NUMBER CODE



A B C D E F G H I J K L M N O

L. Certification & Inspection (Includes Cert/Spec Plates and Certificate):

Field L

Without Documentation Package:

PDI – ¾" NPT Conduit Entry	1
PDI – M20 Conduit Entry	5
Factory Mutual – ¾" NPT Conduit Entry	2
CSA – ¾" NPT Conduit Entry	3

With Documentation Package (NDE Testing per ASME Section V, ASME B31.3, Table 341.3.2):

Factory Mutual – ¾" NPT Conduit Entry <u>Note:</u> Does Not Include NDE Report	7
CSA – ¾" NPT Conduit Entry <u>Note:</u> Does Not Include NDE Report	8
ATEX CE II 2 GD Ex – M20 Conduit Entry	4
ATEX CE II 2 GD Ex – ¾" NPT Conduit Entry	6

M. Communication Protocols:

Field M

Standard Analyzer:

(4) MODBUS RTU RS-485 plus (1) 4-20mA (Enhanced) or (5) 4-20mA (Expanded)	2
(4) MODBUS RTU RS-485 plus (1) HART 4-20mA (Enhanced) or plus (1) HART 4-20mA and (4) 4-20mA (Expanded)	3

Stand-Alone Analyzer: Note: Only for OEM Orders

MODBUS RTU RS-485 only	1
(2) MODBUS RTU RS-485	2
MODBUS RTU RS-485 plus HART 4-20mA	3
MODBUS RTU RS-485 plus 4-20mA	4

N. Power Requirements:

Field N

Standard Analyzer:

120/230 VAC 50/60 Hz	A
24 VDC	B
120 VAC 50/60 Hz with 230 VAC Enclosure Heater	C
120 VAC 50/60 Hz with 120 VAC Enclosure Heater	G
120 VAC 50/60 Hz with 24 VDC Enclosure Heater	D
24 VDC with 24 VDC Enclosure Heater	F
24 VDC with 120 VAC Enclosure Heater	H
24 VDC with 230 VAC Enclosure Heater	I
230 VAC 50/60 Hz with 230 VAC Enclosure Heater	E
230 VAC 50/60 Hz with 120 VAC Enclosure Heater	L
230 VAC 50/60 Hz with 24 VDC Enclosure Heater	K

Stand-Alone Analyzer: Note: Only for OEM Orders

24 VDC ONLY	B
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O. Miscellaneous Items:

Field O

Powder Coating (of enclosures only)	1
Epoxy Painting (of enclosures only)	2
Stainless Steel Enclosure (for Stand-Alone units)	0

1. Miscellaneous Items not included in Model Code:

P/N

NDE Report per ASME Section V, ASME B31.3, Table 341.3.2 (NDE Always Included with ATEX Certification)	0012-00000-000
PED Compliance (For CSA or ATEX Certified Analyzers ONLY)	0020-00108-000
30 Feet ¾" NPT Anaflex Conduit Assembly	8000-00109-008
30 Feet M20 Anaflex Conduit Assembly	8000-00109-030
PMI Report per applicable ASME, ASTM, AWS, API Specifications	9100-00006-000
Stainless Steel Marking Tags	2030-00062-000