PHASE DYNAMICS, INC.
MODEL NUMBER CODE - 2010

ISO 9001 : 2000 Registered Company

A B CD E F G H IJ K L M N O

A. Measurement Range:		**Field A**
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
B. Measurement Section Configuration:		**Field B**
Insertion		I
Flow-Through "L"	Note: Not Available for 1 Inch Analyzers	L
Flow-Through "U"		U
Flow-Through "Z"		Z
CD. Process Connection:		**Field CD**
Raised Face (RF), Ring Type Joint (RTJ), or Flat Face (FF) Flanges		
ANSI Class 150#		1R, 1J, 1F
ANSI Class 300#		3R, 3J, 3F
ANSI Class 600#	Note: Flat Face Not Available Above 300#	6R, 6J
ANSI Class 900#		9R, 9J
ANSI Class 1500#	Note: Not Available for Insertion or 4" "U" Analyzers	5R, 5J
National Pipe Thread (NPT)	Note: Only Available for 1 Inch Analyzers	TH
E. Measurement Section Diameter:		**Field E**
Flow-Through Analyzer:		
1 Inch	Note: Only Available for Low Range	1
2 Inch		2
3 Inch		3
4 Inch		4
Insertion Analyzer:		
3 Inch ONLY		3
F. Measurement Section Material:		**Field F**
316/316L Stainless (Standard)		0
Duplex 2205		1
Monel		2
Hastelloy		3
316/316L Stainless Teflon Coated Wetted Parts		4
316/316L Stainless Teflon Coated Center Rod Only		6
G. Process Temperature Range:		**Field G**
32 - 160ºF (0 - 71ºC)		1
32 - 220ºF (0 - 104ºC)		2
32 - 400ºF (0 - 204ºC)	Note: Not Available for 1 Inch Analyzers	4
32 - 600ºF (0 - 315ºC)	Note: Not Available for 1 Inch Analyzers	6

Phase Dynamics, Inc.
1251 Columbia Dr • Richardson, TX 75081
Phone (972) 680-1550 • Fax (972) 680-3262

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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 (See Reference A for Further Explanation):		
0.1 to 8.0% Salinity		3
8.0 to 25.0% Salinity		4
15.0 to 25.0% Salinity		5
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™ - 3.0 to 25.0% Salinity	Note: Requires Touchscreen Electronics	B
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 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 Expanded 4-Line LCD Electronics in 8-hole EP Enclosure		GC
With Enhanced Touchscreen Electronics in 3 or 6-hole EP Enclosure		ED, FD
With Expanded Touchscreen Electronics in 6-hole EP Enclosure		FE
With Expanded Touchscreen Electronics in 8-hole EP Enclosure		GE
Special – Consult Factory		SP
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
No Cable	Note: No Cable Provided for Stand-Alone Analyzers	X

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Technology for Precision Measurements
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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:	
Factory Mutual – ¾"NPT Conduit Entry Note: Does Not Include NDE Report	7
CSA – ¾"NPT Conduit Entry Note: 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
120/230 VAC 50/60 Hz with Enclosure Heater	E
24 VDC with Enclosure Heater	F
Stand-Alone Analyzer: Note: Only for OEM Orders	
24 VDC ONLY	B

O. Miscellaneous Items:	**Field O**
Powder Coating (of cast aluminum parts only)	1
Epoxy Painting (of cast aluminum parts only)	2

1. Miscellaneous Items not included in Model Code:	**P/N**
NDE Report (Always Included with ATEX Certification)	0012-00000-000
PED Compliance (For ATEX Certified Analyzers ONLY)	0020-00108-000