



Technology for Precision Measurements
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PHASE DYNAMICS, INC. APPLICATION DATA SHEET WATER CUT ANALYZERS



Date Requested: _____	Date Required: _____
Contact Name: _____	Phone: _____
Company: _____	Fax: _____
Address: _____	E-Mail: _____
_____	Project: _____
_____	_____

FIELD CONDITIONS & CONNECTIONS:

Critical Process Information	Unit of Measure	Min	Normal	Max	
Temperature					
Pressure					
Flow Rate					
Oil Density					
Flange Rating	ANSI 150	ANSI 300	ANSI 600	ANSI 900	ANSI 1500
Flange Type	RF	RTJ	Flat Face	Threaded	
Pipe Configuration	U	Z	L	Insertion	
Pipe Size	1 Inch	2 Inch	3 Inch	4 Inch	Insertion
Pipe Material	316/316L Stainless Steel		Duplex	Monel	Hastelloy

For Insertion Analyzers- Line size where analyzer will be installed: _____

MANDATORY INFORMATION NEEDED FOR FULL & HIGH RANGE

Critical Process Information	Unit of Measure	Min	Normal	Max
Salinity				
Water Cut Range				

Heuristic Salinity Required? Yes No

MANDATORY INFORMATION NEEDED FOR LOW & MID RANGE

Critical Process Information	Unit of Measure	Min	Normal	Max
Water Cut Range				

ELECTRONIC AREA & POWER REQUIREMENTS

Electronics Housing	Explosion Proof	Nema 4X		
Flow Computer Capability	Enhanced	Expanded		
Electronics Display	4-Line LCD	Touchscreen		
Power Requirements	24 VDC	120/230 VAC 50/60 Hz	Enclosure Heater	
Cable Length	30 feet	50 feet	100 feet	150 feet
Certification	None	FM	CSA	ATEX PED
Protocol	RS-485 Modbus RTU		HART 4-20 mA	

Describe Product Type (i.e. Crude, NGL, Condensate, Kerosene): _____

Brief Application Description (i.e. Test Separator, Truck Pit, Well Production): _____

Attach additional sheets to further describe the installation details.