


**LEAK DETECTOR DATA SHEET**

<b>No.</b>	<b>By</b>	<b>Chk</b>	<b>App</b>	<b>Date</b>	<b>Description</b>	<b>Doc. No:</b>	DS-1813-80	<b>Rev.:</b>	0
0	JS	RKL	TB	6/26/2019	Initial Release	<b>Project Name:</b>	TSCR		
						<b>Project Number:</b>	18-13		
						<b>Location:</b>	Richland, WA		

<b>GENERAL</b>	1	Tag Number	P&ID Number		POR655-WP-LDE/LDK-618		H-14-024857		
	2	Service			Primary Process				
	3	Line Number	Line Material			N/A		N/A	
	4	Line Size	Line Sch	Line Spec		N/A	N/A	N/A	
	5	Area Classification			Unclassified				
	6	Ambient Temp Range	Seismic Requirement			68 to 105 °F		N/A	
	7	Quality Level	Safety Classification			QL-3		GS	
<b>NORMAL PROCESS CONDITIONS</b>	8	Fluid	State		Regulated Air		Gas		
	9	Fluid Comments			N/A				
	10	Design Pressure:	Min.	Max.	0 psig		Atm. psig		
	11	Design Temperature:	Min.	Max.	0 °F		180 °F		
					<b>Units</b>	<b>Minimum</b>	<b>Normal</b>	<b>Maximum</b>	
	12	Pressure			psig	N/A	Atmospheric	N/A	
	13	Temperature			°F	60	80	105	
	14	Density	0.001184 g/mL @ 80 °F						
15	Viscosity	0.01845 cP @ 80 °F							
<b>LEAK DETECTION PROCESS CONDITIONS</b>	16	Fluid	State		LAW		Liquid		
	17	Fluid Comments			N/A				
	18	Design Pressure:	Min.	Max.	0 psig		Atm. psig		
	19	Design Temperature:	Min.	Max.	0 °F		180 °F		
					<b>Units</b>	<b>Minimum</b>	<b>Normal</b>	<b>Maximum</b>	
	20	Pressure			psig	N/A	Atmospheric	N/A	
	21	Temperature			°F	68	77	95	
	22	Density			g/mL	1	1.27	1.35	
23	Viscosity			cP	1	3.7	8		
<b>SENSOR</b>	24	Type	Model		Point Sensor / Sensing Band		F03-16PS		
	25	Op. Temp Range:	Min.	Max.	14 °F		140 °F		
	26	Storage Temp Range:	Min.	Max.	14 °F		140 °F		
	27	Mounting			Floor Mounted (Brackets - NOTE 1)				
	28	Sensor Material			Polyethylene				
	29	Conductor Material	Inner (Sheath)	Outer (Sheath)	Fluorine Resin		PVC		
	30	Core Material	Weight		SUS304 Stainless Steel		0.0661 lb		
<b>AMPLIFIER</b>	31	Model			K7L-U				
	32	Wiring Distance			400 m				
	33	Sensor Disconnection Detection			No				
	34	Power Supply	Output	Load	12-24 V DC	Digital / Switch		> 250 Ω	
	35	Terminal Block Socket Type			Track-Mounted, Round Terminals				
<b>COMMUNICATION AND SOFTWARE</b>	36	HART Communication			No				
	37	Firmware			See Configuration Management				
<b>MANIFOLD</b>	38	Type	Material		N/A		N/A		
	39	Manufacturer	Model Number		N/A		N/A		
	40	Connection:	Size	Type	N/A	N/A	N/A		
<b>OPTIONS</b>	41	Mounting Brackets			Yes (NOTE 1)				
	42	Hydrostatic Test			N/A				
	43	Transient Protection			No				
	44	Calibration Cert.	CMTR		No		No		
<b>PURCHASE</b>	45	Manufacturer			Omron				
	46	Model			NOTE 1				

**NOTES:** 1. Sensor: F03-16PS; Amplifier: K7L-U; Terminal Block: P2RF08; Sensor Bracket Mount: F0326PS; Power Relay: MY2ND2DC24S; Relay Socket: PYF08A; Relay Socket Clip: PYCA1