

		LEVEL INSTRUMENTS (NUCLEAR BASED)				SPEC. No.		REV.	
		NO	BY	DATE	REVISION		SHEET OF		
								BY	CHK'D
									APPR.
Project:						P.O.			
						REQ.			
GENERAL	1	Service							
	2	P&ID							
	3	Line / Equip. no.							
	4	Vessel drawing no.							
	5	Vessel shape, orient. & dim.							
	6	Vessel O.D.	Vessel I.D.						
SOURCE	7	Nuclear source Tag No.							
	*8	Radioactive element / nb sources							
	9	Installation							
	*10	Distance source-detector							
	11								
RECEPTOR (DETECTOR)	12	Receptor Tag Number							
	*13	Type	nb required						
	*14	Power supply	Heater power						
	*15	Case material	Rating						
	16	Cable length (Note 2)							
	17	Installation							
	*18	Dimensions: active length, diam.							
	*19	Detector warming time							
	*20	Opt. Liquid cooled req.							
	21								
TRANSMITTER	22	Tag Number							
	23	Calibration	Range						
	*24	Output signal							
	*25	Power supply							
	*26	Smart / Communication							
	27	Installation							
	*28	Case material	Rating						
	*29	Display / keys							
	*30	Temp. compensation (Notes 2,3)							
	*31	T° Elem. tag	Supplied by						
SWITCHES	*32	No. Contacts	R						
	*33	Action of contacts							
	34								
PROCESS DATA	35	Upper Fluid Code / Desc.							
	36	Fluid state	Density @						
	37	Particule size	% solids						
	38	Lower Fluid Code / Desc.							
	39	Fluid state	Density @ op. T°						
	40	Particule size	% solids						
	41	Matr'l build-up on wall / thick.							
	42	Fluid oper. T° and (range)		()					
	43	Level: min/ norm/ max/ overflow							
	44	Wall matr'l	Wall thick.						
45	Insul. matr'l	Insul. thick.							
46	Liner matr'l	Liner thick.							
47	Ambient T° min. / max.								
48	Area Classification								
OTHER	49	Estim. time betw'n calibr.							
	50	Accuracy							
	51	Manufacturer							
	52	Nuclear source model no.							
	53	Receptor model no.							
	54	Transmit. or switch model no.							
NOTES	1. Each detector or source has it's own tag number and suffix. 2. Armoured cable between detector and transmitter to be supplied by Vendor. 3. By Vendor if required, temperature measurement kit (RTD 3wires, 100ohms Platinum, 0.5"NPT, thermowell 3/4"NPT) . 4. Fluid state: such as solid, liquid, slurry, homogeneous, two-liquids interface, gas on top of liquid, etc.								

Sample