



### <sup>3</sup>He Neutron Proportional Counters:

#### Selection from product range – summary of parameters

CENTRONIC PART NUMBER	LENGTH		HE-3 GAS PRESSURE AND SENSITIVITY				
	Active (mm)	Overall (mm)	2 ATM (XXX=152) (cps/nv)	4ATM (XXX=304) (cps/nv)	6ATM (XXX=456) (cps/nv)	8ATM (XXX=608) (cps/nv)	10ATM (XXX=760) (cps/nv)
13mm Diameter Tubes							
7.6He3/XXX/13	76	112	2.02	3.8	5.1	6.1	6.9
15He3/XXX/13	150	185	4.3	7.6	10	12	14
25He3/XXX/13	249	284	7.1	13	17	20	23
50He3/XXX/13	508	536	14	25	34	40	46
19mm Diameter Tubes							
7.6He3/XXX/19	76	102	4.6	7.07	9.8	11	12
15He/XXX/19	150	175	9.0	15	19	22	24
25He3/XXX/19	249	274	15	25	32	37	40
50He3/XXX/19	508	500	30	51	65	74	81
25mm Diameter Tubes							
9.6He3/XXX/25	97	132	9.7	16	19	21	22
12.7He3/XXX/25	127	157	13	21	25	28	30
15He3/XXX/25	150	201	15	24	30	33	35
25He3/XXX/25	249	300	25	40	50	55	58
50He3/XXX/25	500	551	50	81	99	110	117
100He3/XXX/25	1001	1052	101	161	198	220	234
125He3/XXX/25	1250	1300	126	202	248	275	292
38mm Diameter Tubes							
15He3/XXX/38	150	201	30	45	51	54	56
25He3/XXX/38	249	300	51	74	85	91	93
50He3/XXX/38	500	551	101	149	171	181	186
100He3/XXX/38	1001	1052	202	297	342	363	372
50mm Diameter Tubes							
15He3/XXX/50	150	201	48	66	-	-	-
25He3/XXX/50	249	300	81	110	-	-	-
50He3/XXX/50	500	551	161	220	-	-	-
100He3/XXX/50	1001	1052	322	441	-	-	-

All <sup>3</sup>He counters listed are made of Stainless Steel. 25mm and 50mm diameter counters are also available with aluminium construction up to 4 ATM pressure. Standard 25mm, 38mm and 50mm diameter counters are fitted with HN connectors. Other connectors are available upon request. All <sup>3</sup>He counters are available with activated carbon coating. Non-standard active lengths are also available upon request.