NEUTRON GENERATOR
SPECIFICATIONS

	SXYME	XPEIC	NENU	Su TongLing H2-H2	Su TongLing ON LINE ANALYST
Operating Voltage	-100kV to -125kV	-100KV	-120KV		
Neutron Yield	> 2 x 10^8 n/s	1.5 x 10^8 n/s	>1 X 10^8 n/s	5 x 10^8 (H_2) n/sec	5 x 10^8 (H_2) n/sec to 1 x 10^{11}(H_3) n/sec
Pulse Repetition Rate	Up to 20 kHz	1 kHz to 20 kHz	20 kHz		
Pulse Duration	10μs to cont.	6 μs to cont.	8 μs to cont.		
Work time – Cont. Operation	> 5 hrs	> 5 hrs	24 hrs		
Neutron Tube Life	> 150 hrs	> 150 hrs	400 hrs Typical	5,000 hrs typ.	
Working Temperature	-20 to + 50°C	135°C	120°C		
Dimensions: Diameter Length	80mm 2 meters	80mm or (50mm) 1 meter or (1.5meters)	110mm 1 meter		1 meter 2.2 meters
Weight, kg	30	30	30		
Envelope	S.S.	S.S. (Glass Neutron tube)	S.S. (Ceramic Neutron Tube)		Nitrogen gas filled
Ion Source	H_2	H_2	H_2	H_2	
Target	H_3	H_3	H_3	H_2	
Neutron Energy	14 MeV	14 MeV	14 MeV	2.5 MeV	
Typical Use Comments				Easier to obtain license	Suitable for Truck mounting
TA Cost per system	200 k RMB	280 k RMB	200 K RMB		US$200k
Time to Replace (Target)				A few hrs	
Tritium Used to make Each Tube	15 – 20 Ci	20 Ci	20 Ci	None	20 Ci

All of these products are offered for sale by Technical Associates.