



## Filter Module 3100.40

- number of filters: 11 (+ one free position)
- driver: step motor
- position information: position switch
- aperture:  $\varnothing$  7mm
- user-changeable filters ( $\varnothing$  14mm)
- atmosphere: He or vacuum (additional windows required)

### Filter positions:

#	Material	Thickness [ $\mu$ m]	10%@E [keV]	50%@E [keV]	Edge [keV]
0	empty				
1	Al	12,5	3,0	4,9	
2	Al	12	4,1	6,5	
3	Al	50	5,2	8,0	
4	Al	100	6,7	10,1	
5	Al	200	8,5	12,8	
6	Al+V	50+ 25	9,1	14,2	
7	Al+V	50+50	11,0	17,0	
8	Al+V	50+125	16,4	25,0	
9	Al*+Cu	40,5			8,9789
10	Al*+Au+Al*25+4+25				11,9187
11	Al*+Au+Al*25+8+25				14,3528

### All Filter Positions are changable on request!

0: empty, 1-8: magnitude/50% filters, 9-11:energy calibration filters

\* Al foil as carrier material

[Download BCU leaflet](#)

