

## 51B51/2-E1-X

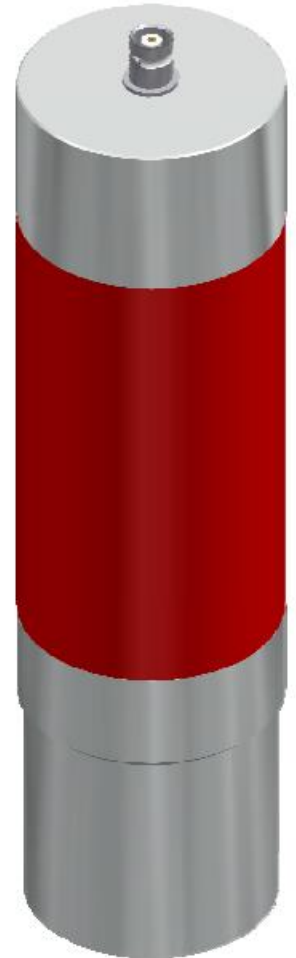
**Description :** NaI(Tl) scintillation detector with integrated high Ohmic voltage divider.

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<b>Scintillation crystal</b>	:	NaI(Tl), Ø51x51 mm.
<b>Photomultiplier tube</b>	:	Ø51 mm, ETL 9266
<b>Mu metal shield</b>	:	Internal
<b>Drawing</b>	:	VS-0023-10
<b>Dimensions:</b>		
<b>Length</b>	:	215 mm.
<b>Diameter</b>	:	58.7 mm.
<b>Electronics</b>	:	Voltage divider.
<b>Connectors</b>	:	HV and signal on single MHV.
<b>Resistor chain</b>	:	100 MΩ.
<b>Temperature range</b>	:	-20 °C to +70 °C.

### **Performance**

<b>Energy resolution</b>	:	< 9 % FWHM @ 662 keV.
<b>Energy range</b>	:	20 keV – 3 MeV.
<b>Gain stability</b>	:	< 1.0% over 24 h at 20 °C.
<b>Typical high voltage</b>	:	600 to 800 V.



**Voltage divider**

*Please note the decoupler is not included in the detector.*

