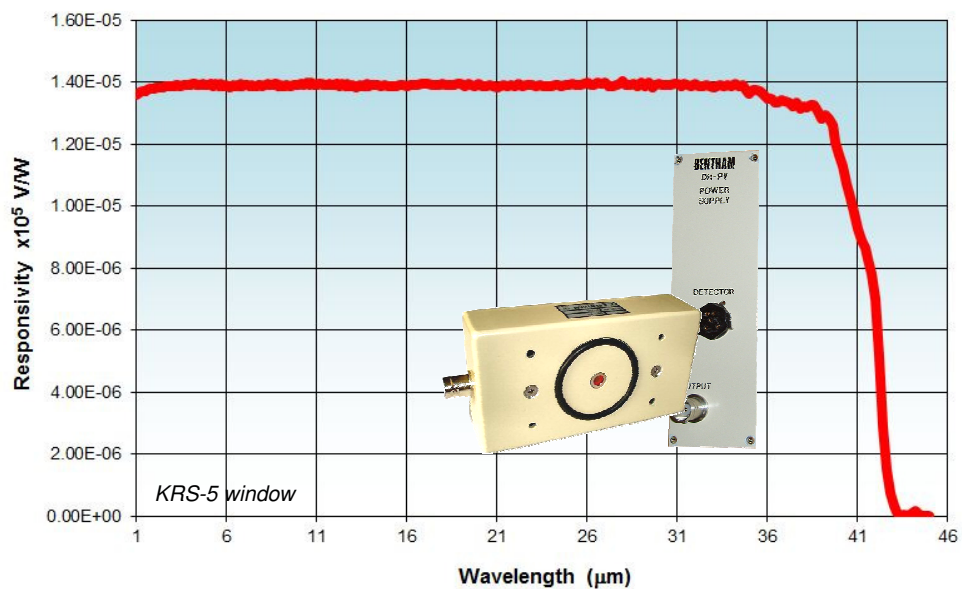




The DH-Py is a self-poling TGS pyroelectric detector, designed to operate at room temperature, which consists of window, infrared sensitive element and impedance matching amplifier.

The detector mounts directly onto the monochromator slit, and power is supplied by a single-width 400 Series module.



Specification

Element size:	2mm x 2mm														
N.E.P.:	(500k,10,1) $1.6 \times 10^{-10} \text{ WHz}^{-1/2}$														
Responsivity:	(500k,10) $1.5 \times 10^5 \text{ VW}^{-1}$														
Noise:	(10,1) $24\text{mVHz}^{-1/2}$														
Typical chopping frequency:	15Hz														
Windows available:	<table border="0"> <tr> <td>KBr</td> <td>1 - 30μm</td> </tr> <tr> <td>Polythene</td> <td>20 - 1000μm</td> </tr> <tr> <td>CsI</td> <td>1 - 60μm</td> </tr> <tr> <td>KRS-5*</td> <td>1 - 40μm</td> </tr> <tr> <td>Quartz</td> <td>60 -1000μm</td> </tr> <tr> <td>Bloomed Silicon</td> <td>1.2 - 15μm</td> </tr> <tr> <td>Bloomed Germanium</td> <td>1.8 - 23μm</td> </tr> </table>	KBr	1 - 30μm	Polythene	20 - 1000μm	CsI	1 - 60μm	KRS-5*	1 - 40μm	Quartz	60 -1000μm	Bloomed Silicon	1.2 - 15μm	Bloomed Germanium	1.8 - 23μm
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