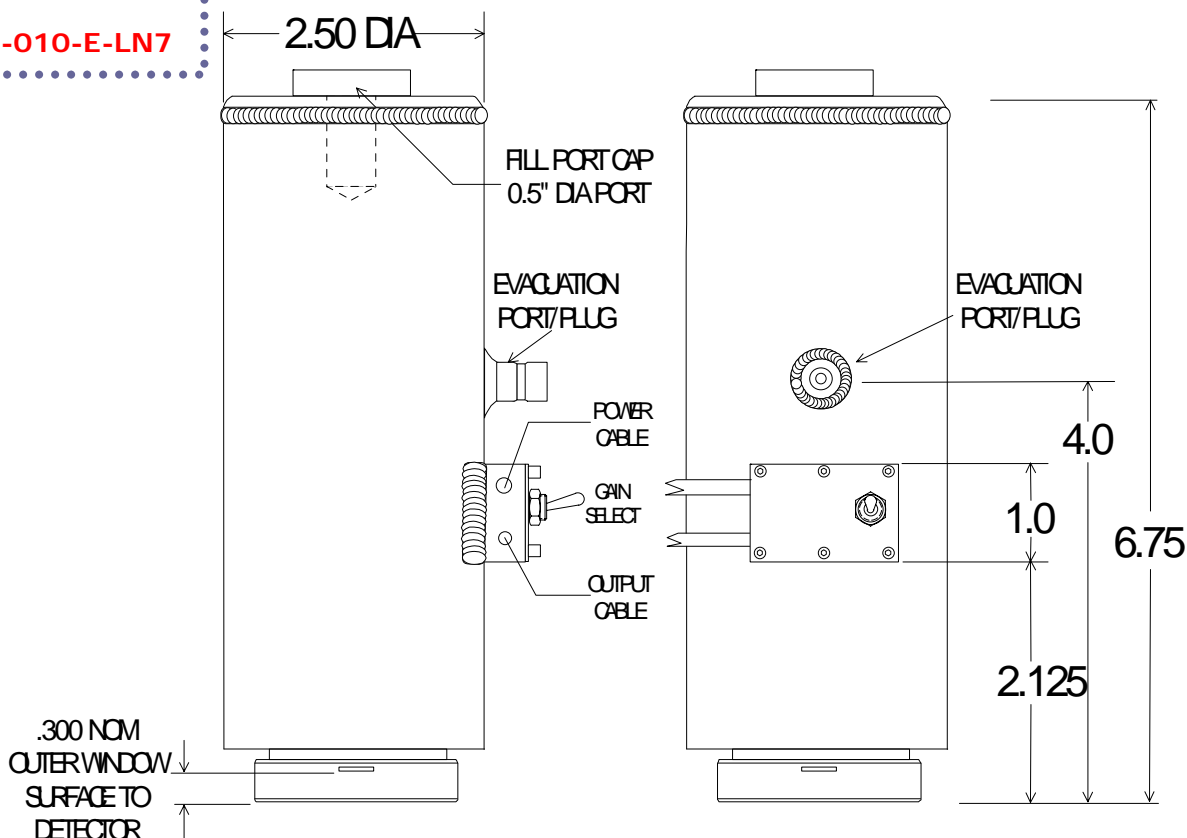


## CRYOGENIC PHOTORECEIVER

**Part Number:**

**IGA1.9-010-E-LN7**



### SPECIFICATIONS

Detector Type	1mm dia ex-InGaAs Photodiode	
Operating Temperature (°C)	22	-196
Spectral Range, $\mu\text{m}$	1.3 – 2.1	1.3 – 2.0
Responsivity, V/W @ Amplifier Output	$10^9 / 10^8$	$2.0 \times 10^9 / 2.0 \times 10^8$
Bandwidth, Hz (-3dB)	DC – 500 / 2500	DC – 500 / 2500
NEP pk, W / Hz <sup>1/2</sup>	$5 \times 10^{-13}$	$< 2 \times 10^{-14}$
Amplifier	Dual Gain Transimpedance	
Field of View	60° Nominal	
Package	LN7 Downview Dewar	
Hold Time	12 Hours Nominal	
Connections	BNC Output; Shielded Power Cable	

**Note:** This unit is available in any of the standard LN-series dewars.