



**NOTIFICATIO of END of LIFE PRODUCT**  
**BGS-DLT Series C-MOS Digital Laser BGS Sensors**

April 7, 2023

To whom it may concern,

OPTeX FA Co., Ltd. appreciates and values your business.  
We are announcing End of Life of the following products:

**Product Description**

**BGS-DLT Series C-MOS Digital Laser BGS Sensors**

	NPN output	PNP output
Cable type	BGS-DL10TN	BGS-DL10TP
	BGS-DL25TN	BGS-DL25TP
Connector type	BGS-DL10TCN	BGS-DL10TCP
	BGS-DL25TCN	BGS-DL25TCP

\*Including special order specifications and derivative products of the above products

**Reason for EOL**

End of supply of key components

**Last Order Acceptance Date**

December 31, 2023

**Last Shipping Date**

March 31, 2024

**Replacement Products**

**BGS-H/BGS-HDL Series High-accuracy C-MOS Digital Laser BGS SSensors**

Discontinued Model	Alternative Proposal
BGS-DL10T*	BGS-HL05T*
	BGS-HDL05T*
BGS-DL25T*	BGS-HL25T2*
	BGS-HDL25T2*

\*For details, please see attached sheet or contact OPTeX FA.

Thank you very much for your support for OPTeX FA products.

Sincerely,  
International Department  
OPTeX FA Co., Ltd.

**Comparison table with alternative proposals**

Model	Discontinued Products		Alternative Proposal	
	BGS-DL10T <sup>*1</sup>	BGS-DL25 <sup>*1</sup>	BGS-HL05T BGS-HDL05T	BGS-HL25T2 BGS-HDL25T2
Sensing distance (Adjustable distance range)	20 to 100 mm (40 to 100 mm)	20 to 250 mm (100 to 250 mm)	20 to 50 mm	50 to 250 mm
Repeatability	-	-	0.01 mm	0.1 mm <sup>*3</sup>
Minimum detectable height	-	-	0.08 mm	0.8 mm
Spot size	Approx. $\phi$ 1 mm At distance of 80 mm	Approx. $\phi$ 2 mm At distance of 200 mm	$\phi$ 0.8 mm	$\phi$ 1 mm
Light source	Red laser diode		Red laser diode	
Laser class	Class 2 (IEC/JIS) <sup>*2</sup>		Class 1 (IEC/JIS/FDA) <sup>*5</sup>	Class 2 (IEC/JIS/FDA) <sup>*5</sup>
Response time	1.5 ms (when sensitivity is fixed)		1.5ms Min.	
Hysteresis	3% or less	10% or less	0 to 22.49 mm Adjustable	0 to 149.9 mm Adjustable
Distance adjustment	Teaching		Teaching	

\*1. Using a 100 × 100 mm white sheet of paper.

\*2. Classified as Class II in the US FDA standards.

\*3. Sampling period : 1000  $\mu$ s

\*4. Hysteresis setting : 0.02 mm (BGS-HL05T), 0.2 mm (BGS-HL25T2)

\*5. In accordance with the FDA provisions of Laser Notice No. 50, the laser is classified as Class 1 or Class 2 per the IEC 60825-1