

**LASER BASED - FIXED POINT GAS DETECTOR  
ISA DATA SHEET**



<b>General</b>	1	Manufacturer	Boreal Laser Inc.
	2	Analyzer Model No.	N/A (Analyzer Not Specified)
	3	Measurement Head Model No.	Remote Point (RPX) Probe Assembly (e.g. BL-__-RPX)
	4	Warranty Period	10 years on Laser (Light Source) and 3 years Full Warranty
<b>Remote Point (RPX) Probe</b>	5	Optical Configuration	Transceiver and Retro-Reflector (Mono-Static)
	6	Assembly Composition	Remote Point (RPX) Probe and Mounting Clamps
	7	Assembly Weight	5.9 kg (13 lbs)
	8	Assembly Dimension (LxWxH)	753.2 x 147 x 109 mm (29.6 x 5.8 x 4.3 inches)
	9	Physical Configuration	Remote from Analyzer (GasFinder3-MC) via Fibre Optic and CAT6/5e Cabling)
	10	Mounting Hardware Configuration	Four (4) 15.87mm (5/8") Through Holes
	11	Maximum Distance to Analyzer	Up to 300m of Single Mode Fibre and Shielded CAT6/5e Cabling (10m Increments)
	12	Enclosure Material	6061 Anodized Aluminium
	13	Area Classification	(A)Ex ib IIC T5 Tamb <70°C Gb (Equivalent to Class 1 Div/Zone 1 and Groups A,B,C,D)
	14	Method of Protection	Intrinsic Safety "ib" & "Gb" as per IEC 60079-11
	15	Temperature (RPX Probe Enclosure)	-45 to 70°C (-49 to 158°F)
	16	Temperature (Laser Beam)	-45°C to +150°C (-49 to +300°F) Active Measurement Path / Process
	17	Beam Divergence	16mm (5/8") @ 0.5m (1.6ft) = (32 milliradian x path length (m) = laser dot size (mm))
	18	Retro Enclosure Window Material	None
	19	Retro Array	Grey Tape
	20	Power	Non-powered (Passive)
	21	Cable Entry Size	3/4" (M20) for Fibre and CAT6/5e Cabling
	22	Cable Gland	Included as part of Measurement Head Assembly
	23	Cable Connections	Single Mode Fibre (FC/APC) and CAT6/5e (RJ-45) - Included in Assembly
	24	Dual Gas Configuration #1	Any two gases except O2, CO2L, COL, CO2UL can share a Remote Point (RPX) Probe
	25	Dual Gas Configuration #2	CO2L, COL, CO2UL can share an Remote Point (RPX) Probe
	26	Dual Gas Configuration #3	O2 always requires a dedicated Remote Point (RPX) Probe
	27	RPX Probe Heater	N/A
	28	Retro Enclosure Thermostat	N/A
	29	Heater/Thermostat Classification	N/A
	30	Retro Enclosure Cable Glands	N/A
	31	Retro Heater Termination	N/A
	<b>Recommended Accessories</b>	32	Alignment Kit
33		In-Line Response Cell	BL-ILRC-__ (HF, HCN, NH3, or CH4)
34		Commissioning and Spares Assembly	BL-CASA
35		Calibration Certificate Extension	BL-QDRP
	36	120-220 VAC Power Supply	BL-HAPS or BL-HAPS-S
<b>Latest Revision</b>	37		1/10/20