IN-LINE (ILX) PROBE
ISA DATA SHEET

BOREAL

General	1	Manufacturer	Boreal Laser Inc.
	2	Analyzer Model No.	GasFinder3-MC (Multi-Channel) Assembly (e.g. BL-GF3-MC-_-__-__-__-__-__)
	3	Measurement Head Model No.	In-Line (ILX) Cell Assembly (e.g. BL-__-ILX-__)
	4	Warranty Period	10 years on Laser (Light Source) and 3 years Full Warranty
In-Line (ILX) Cell	5	Optical Configuration	Transceiver and Retro-Reflector (Mono-Static)
	6	Assembly Composition	In-Line (ILX) Cell, Transmitter Cover, Receiver Cover
	7	Assembly Weight	Application dependent on size of cell
	8	Assembly Dimension (LxWxH)	Application dependent on size of cell
	9	Physical Configuration	Remote from Analyzer (GasFinder3-MC) via Fibre Optic and CAT6/5e Cabling
	10	Mounting Hardware Configuration	ANSI B16.5 Standard Flange Sizes 1", 1.5", 2" 150#, 300#, 600#
	11	Maximum Distance to Analyzer	Up to 300m of Single Mode Fibre and Shielded CAT6/5e Cabling (10m Increments)
	12	Material of Construction	316 SS, 304 SS, Hastelloy, Carbon Steel, Others Avaliable Upon Request
	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	Process Temperature	-45°C to +150°C (-49 to +300°F) Active Measurement Path / Process
	16	Process Pressure	50 to 200 kPa Absolute (7.25 to 29 psia)
	17	Beam Divergence	6.4mm (1/4") @ 0.2m (0.65ft) = (32 milliradian x path length (m) = laser dot size (mm))
	18	Window Material	Sapphire Standard, Tempered Borosilicate, Others Avaliable
	19	Power	Non-powered (Passive)
	20	Cable Connections	Single Mode Fibre (FC/APC) and CAT6/5e (RJ-45) - Included in Assembly
	21	Dual Gas Configuration #1	Any two gases except O2, CO2L, COL, CO2UL can share an In-Line (ILX) Cell
	22	Dual Gas Configuration #2	CO2L, COL, CO2UL can share In-Line (ILX) Cell
	23	Dual Gas Configuration #3	O2 always requires a dedicated In-Line (ILX) Cell
Recommended Accessories	24	Alignment Kit	BL-OAK-MC
	25	In-Line Response Cell	BL-ILRC-___ (HF, HCN, NH3, or CH4)
	26	Commissioning and Spares Assembly	BL-CASA
	27	Calibration Certificate Extension	BL-QDRP
	28	120-220 VAC Power Supply	BL-HAPS or BL-HAPS-S
Latest Revision	29	1/09/20	