

Model	LaserAce [®] ILM R				LaserAce [®] ILM HR		LaserAce [®] ILM T			LaserAce [®] ILM S		
Module Type	35	150	300	700	300	700	35	150	300	150	300	700
Laser												
Wavelength (nm)	905	905	905	905	905	905	905	905	905	905	905	905
Beam Divergence (mRad)	2.5 x 0.2	2.5 x 0.2	3.0 x 2.3	3.0 x 2.3	3.0 x 2.3	3.0 x 2.3	2.5 x 0.2	2.5 x 0.2	3.0 x 2.3	2.5 x 0.2	3.0 x 2.3	3.0 x 2.3
Reflectorless Range (m)	0.5 - 35	0.5 - 150	2 - 300	2 - 700	2 - 300	2 - 700	0.5 - 35	0.5 - 150	2 - 300	0.5 - 150	2 - 300	2 - 700
Reflectorless Range (ft)	2 - 110	2 - 500	6 - 1000	6 - 2200	6 - 1000	6 - 2200	2 - 110	2 - 500	6 - 1000	2 - 500	6 - 1000	6 - 2200
Max range (m)	630	630	1300	2000	1300	2000	630	630	2000	630	1300	2000
Max range (ft)	2000	2000	4000	6200	4000	6200	2000	2000	6200	2000	4000	6200
Accuracy (cm)	5	5	5	5	30	30	30	30	30	5	5	5
Resolution (cm)	1	1	1	1	10	10	10	10	10	1	1	1
Speed Accuracy (mph)										1	1	1
Rep Rate (Hz)	9	9	9	4	1000	1000	1000	400	1000	4	4	1
Eye Safety	Class 1	Class 1	Class 1	Class 1	Class 1	Class 1M	Class 1	Class 1	Class 1	Class 1	Class 1	Class 1
Communications												
Data I/O	2m cable with 9-pin D type	2m cable with 9-pin D type	2m flying lead with D type	2m cable with 9-pin D type	2m flying lead with D type	2m cable with 9-pin D type	2m cable with 9-pin D type	2m cable with 9-pin D type	2m flying lead with D type	2m cable with 9-pin D type	2m flying lead with D type	2m cable with 9-pin D type
Trigger Out	-	-	-	-	-	-	TTL Pulse	TTL Pulse	Opto Isolated Pulse	-	-	-
Power (V)	9 to 24	9 to 24	12 to 48	9 to 24	12 to 48	9 to 24	9 to 24	9 to 24	12 to 48	9 to 24	12 to 48	9 to 24
Protocol	RS232	RS232	RS232	RS232	RS232	RS232	RS232	RS232	RS485	RS232	RS232	RS232
Environmental												
Operating Temp (°C)	-10 to +60	-10 to +60	-10 to +60	-10 to +60	-10 to +60	-10 to +60	-10 to +60	-10 to +60	-20 to +70	-10 to +60	-10 to +60	-10 to +60
Protection Class	IP67	IP67	IP67	IP67	IP67	IP67	IP67	IP67	IP67	IP67	IP67	IP67
Physical Construction	Anodised Aluminium	Anodised Aluminium	Anodised Aluminium	Anodised & Painted Aluminium	Anodised Aluminium	Anodised & Painted Aluminium	Anodised Aluminium	Anodised Aluminium	Anodised Aluminium	Anodised Aluminium	Anodised Aluminium	Anodised & Painted Aluminium
Dimensions (mm)	103 x 54 x 38	103 x 54 x 38	154 x 78 x 49	154 x 130 x 73	154 x 78 x 49	154 x 130 x 73	103 x 54 x 38	103 x 54 x 38	154 x 78 x 49	103 x 54 x 38	154 x 78 x 49	154 x 130 x 73
Dimensions (inches)	4.0 x 2.1 x 1.5	4.0 x 2.1 x 1.5	6.0 x 3.1 x 1.9	6.0 x 5.1 x 2.9	6.0 x 3.1 x 1.9	6.0 x 5.1 x 2.9	4.0 x 2.1 x 1.5	4.0 x 2.1 x 1.5	6.0 x 3.1 x 1.9	4.0 x 2.1 x 1.5	6.0 x 3.1 x 1.9	6.0 x 5.1 x 2.9
Weight (g)	260	260	950	950	950	950	260	260	950	260	950	950
Weight (oz)	9.2	9.2	33.5	33.5	33.5	33.5	9.2	9.2	33.5	9.2	33.5	33.5

Variations on these standard specifications are available, for example, RS485 outputs, higher pulse rates and analogue versions (dependent on model and module type). Internal software and functionality can also be changed to suit OEM applications where appropriate.

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