

Feature	Portalevel® 8 th Generation					Portalevel® 7 th Generation					
	Digital based measurements and analysis					Analogue based measurements and analysis					
	MAX	MAX Marine	MAX Nippon	Analytical	Intrinsically Safe	Standard	Original	Portamarine®	Datalogger	Datalogger Marine	Mini Nippon
Accuracy (mm)	± 1.5	± 1.5	± 1.5	± 1.5		± 1.5	± 3	± 1.5	± 1.5	± 1.5	± 1.5
Typical Test Time (s)	30	30	30	30		60	90	60	130	130	60
Power Output	High	High	High	High		Medium	Low	Medium	Medium	Medium	Medium
Sensor Type	Sensor	Sensor + 14mm diameter Extension rod	Sensor + 14mm Diameter Extension rod	Sensor	Sensor	Sensor	Sensor	Sensor + 20mm Diameter Extension rod	Sensor	Sensor + 20mm Diameter Extension rod	Sensor + 20mm Diameter Extension rod
Multi-Banked Testing	X	✓	✓	X	X	X	X	✓	X	✓	✓
Number of Power Levels	4	4	4	4		2	2	2	2	2	2
Power Supply	9V PP3 Battery	9V PP3 Battery	9V PP3 Battery	9V PP3 Battery		4 x 1.5V AA Batteries	4 x 1.5V AA Batteries	4 x 1.5V AA Batteries	4 x 1.5V AA Batteries	4 x 1.5V AA Batteries	4 x 1.5V AA Batteries
Online training availability	✓	✓	✓	✓	✓	X	X	X	X	X	X
Handsfree	X	X	X	X	X	X	X	✓	X	X	✓
Datalogging ability + software	X	X	X	X	X	X	X	X	✓ 1000 Cylinder Readings	✓	X
Oscilloscope + output	X	X	X	✓	X	X	X	X	X	X	X
Suitable for ATEX Atmospheres	X	X	X	X	✓	X	X	X	X	X	X
Verifiable Agents	CO ₂ , NOVEC™ 1230, FM-200™, FE-13™, FE-25™, FE-36™, NAF-S-111, 125 & 127, Halon 1301	CO ₂ , NOVEC™ 1230, FM-200™, FE-13™, FE-25™, FE-36™, NAF-S-111, 125 & 127, Halon 1301	CO ₂ , NOVEC™ 1230, FM-200™, FE-13™, FE-25™, FE-36™, NAF-S-111, 125 & 127, Halon 1301	CO ₂ , NOVEC™ 1230, FM-200™, FE-13™, FE-25™, FE-36™, NAF-S-111, 125 & 127, Halon 1301		CO ₂ , FM-200™, NOVEC™, Halon and Halon substitutes, NAF S III, FE-13™, FE-25™, water, oils	CO ₂ , capable on most FM-200™ and NOVEC 1230™ cylinders	CO ₂ , FM-200™, NOVEC™, Halon and Halon substitutes, NAF S III, FE-13™, FE-25™, water, oils	CO ₂ , FM-200™, NOVEC™, Halon and Halon substitutes, NAF S III, FE-13™, FE-25™, water, oils	CO ₂ , FM-200™, NOVEC™, Halon and Halon substitutes, NAF S III, FE-13™, FE-25™, water, oils	CO ₂ , FM-200™, NOVEC™, Halon and Halon substitutes, NAF S III, FE-13™, FE-25™, water, oils

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Recommended for NOVEC 1230™	✓	✓	✓	✓	✓	X	X	X	X	X	X
Recommended Agent Weight (kg)	1-500+	1-500+	1-500+	1-500+		1-250	1-90	1-250	1-250	1-250	1-250
Included Accessories	Portatherm® , Gel	Portatherm® , Gel	Portatherm® , Gel	Portatherm® , Gel	Portatherm® , Gel	Gel	Gel	Gel	Gel	Gel	Gel
IP Rating	IP65	IP65	IP65	IP65		IP64	IP64	IP64	IP64	IP64	IP64
Enclosure	Aluminium	Aluminium	Aluminium	Aluminium		Plastic	Plastic	Plastic	Plastic	Plastic	Plastic
Display Type	Integrated LCD/LED: numerical + bar graph	Integrated LCD/LED: numerical + bar graph	Integrated LCD/LED: numerical + bar graph	Integrated LCD/LED: numerical + bar graph		LCD Numerical, LED Bar graph	LCD Numerical, LED Bar graph	LCD Numerical, LED Bar graph	LCD Numerical, LED Bar graph	LCD Numerical, LED Bar graph	LCD Numerical, LED Bar graph
UL Certification	✓	✓	✓	✓		X	X	X	X	X	X
NATO Stock Number	6680-99-192-2735	N/A	N/A	N/A		6680-99-275-5292	N/A	6625-99-257-8336	N/A	N/A	N/A
IMPA Part Number	N/A	652776	N/A	N/A		N/A	N/A	652777	N/A	N/A	N/A
Operating temperature (°C)	-20 to +70	-20 to +70	-20 to +70	-20 to +70		-10 to +70	-10 to +70	-10 to +70	-10 to +70	-10 to +70	-10 to +70
Mass (g)	300	300	300	300		500	500	420	500	500	420
Package Mass (kg)	2.0	2.5	2.5			2.0	1.75	2.5	2.0	2.5	2.5
Dimensions (mm)	160 x 82 x 30	160 x 82 x 30	160 x 82 x 30	215 x 85 x 35		155 x 95 x 45	155 x 95 x 45	158 x 98 x 45.5	200 x 100 x 43	200 x 100 x 43	158 x 98 x 45.5