

Test sheet

Model ENG 101 MSC

Power Requirements MS 208 V-60 Hz Δ Serial No 8505E1561

Laser medium / Wavelength	Gas concentrations	Pulse energy at 1 Hz		Average power	
		Specs.	Measured at 24 kV 26 kV	Specs.	Measured at 25 Hz 50 Hz 24 kV 24 kV
Ar F 193 nm	CO ₂ mbar	200 mJ	170 mJ	220 mJ	5 W
	He 1700 mbar	± 6 %	± 6 %	± 4 %	7 W
	Kr mbar				
	Xe mbar				
	Ar 350 mbar				
	Ne mbar				
	5% He/F ₂ 150 mbar				
	He/HCl mbar				
Total 2200 mbar	N ₂ mbar	Laser threshold at 21 kV, Safety switch 26 kV max			
	He mbar	mJ	mJ	mJ	W
	Kr mbar	± %	± %	± %	W
	Xe mbar				
	Ar mbar				
	Ne mbar				
	He/F ₂ mbar				
	He/HCl mbar				
Total mbar	N ₂ mbar	Laser threshold at kV FN Head 162 429			
		Remarks			
		FN PS. 187.077			

Thyratron No.: 806

Reservoir voltage UR 70 Vac

Heater voltage UH 7.4 Vac

Bias voltage UK 160 Vdc

CaF₂ Output window 36, 8 mm x 5 mm

Batch No _____

_____ Rear window _____ mm x _____ mm

Batch No _____

Al-Mg-F₂ Rear mirror 36, 8 mm x 5 mm

Batch No _____

_____ mm x _____ mm

Batch No _____

Test sheet

Model EMG 101 MSC

Power Requirements MS 208 V-60 Hz Δ Serial No 8505E1561

Laser medium / Wavelength	Gas concentrations	Pulse energy at 1 Hz		Average power	
		Specs.	Measured at 20 kV 22 kV	Specs.	Measured at 25 Hz 50 Hz 20 kV 20 kV
Xe Cl 308 nm	CO ₂ mbar	150 mJ	140 mJ	170 mJ	6.5 W
	He mbar	± 3 %	± 3.5 %	± 2.5 %	7 W
	Kr mbar				
	Xe 100 mbar				
	Ar mbar				
	Ne 2420 mbar				
	5% He/F ₂ 80 mbar				
Total 2600 mbar	N ₂ mbar	Laser threshold at 16 kV, Safety switch 22 kV max			
	He mbar	mJ	mJ	mJ	W
	Kr mbar	± %	± %	± %	W
	Xe mbar				
	Ar mbar				
	Ne mbar				
	He/F ₂ mbar				
	He/HCl mbar				
Total mbar	N ₂ mbar	Laser threshold at kV FN Head 162 429			
		Remarks			
		FN PS. 187.077			

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_____ mm x _____ mm

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