

# EFM SURVEY TABLE

		EFM 3	EFM 3s	EFM 3i	EFM 3T	EFM 3Ts	EFM 4	EFM 4s	EFM H
<b>typ. Working Distance</b>	mm	50-300	50-300	50-300	93	93	50-300	50-300	>60
	inch	2-12	2-12	2-12	3.7	3.7	2-12	2-12	>2.4
<b>standard Insertion Depth</b>	mm	210	210	210	161	161	210	210	140
	inch	8.3	8.3	8.3	6.3	6.3	8.3	6.3	5.5
<b>optional Insertion Depths</b>	mm	190-600	190-600	190-600	161-411	161-411	190-600	190-600	120-250
	inch	7.5-23.6	7.5-23.6	7.5-23.6	6.3-19.8	6.3-19.8	7.5-23.6	7.5-23.6	4.7-9.8
<b>typ. Flange to Sample distance</b>	mm	260-410	260-410	260-410	254	254	260-410	260-410	>200
	inch	10.2-16.1	10.2-16.1	10.2-16.1	10	10	10.2-16.1	10.2-16.1	>7.9
<b>Evap. Area Diameter</b>	mm	4-30	4-30	4-30	8.5, 11, 14	8.5, 11, 14	10-133	10-133	±6° to ±15°
	inch	0.16-1.2	0.16-1.2	0.16-1.2	0.3, 0.4, 0.6	0.3, 0.4, 0.6	0.4-5.2	0.4-5.2	±6° to ±15°
<b>Mounting Flange</b>	mm	DN 40 CF	DN 40 CF	DN 40 CF	DN 40 CF	DN 40 CF	DN 40 CF	DN 40 CF	DN 40 CF
	inch	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75
<b>Evap. from Wires</b>		✓	✓	✓	✓	✓	✓	✓	-
<b>max. Crucible Capacity</b>	mm <sup>3</sup>	700	700	250	250	250	700	700	-
	inch <sup>3</sup>	0.043	0.043	0.015	0.015	0.015	0.043	0.043	-
<b>max. Crucible Diameter</b>	mm	11	11	8	8	8	11	11	-
	inch	0.43	0.43	0.31	0.31	0.31	0.43	0.43	-
<b>z-shift 25mm</b>		✓	✓	✓	✓ (3x)	✓ (3x)	✓	✓	-
<b>z-shift 50mm</b>		optional	optional	optional	-	-	optional	optional	-
<b>Rear Loading</b>		✓	✓	✓	✓ (3x)	✓ (3x)	✓	✓	-
<b>Shutter</b>		✓	✓	✓	✓(multiple)	✓(multiple)	✓	✓	optional
<b>Shutter drive</b>		optional	optional	optional	optional	optional	optional	optional	optional
<b>Flux Monitor</b>		✓	✓	✓	✓ (3x)	✓ (3x)	✓	✓	-
<b>Ion Suppressor</b>		-	✓	✓	-	✓	-	✓	optional
<b>Ion Optics (IBAD)</b>		-	-	✓	-	-	-	-	-
<b>Gas Inlet (IBAD)</b>		-	-	✓	-	-	-	-	-
<b>Nickel coating (of Cu parts)</b>		on request	on request	on request	on request	on request	on request	on request	on request
<b>Port aligner (±3°)</b>		optional	optional	optional	optional	optional	optional	optional	optional
<b>upgrade/retrofit options</b>		3s, 4, H	4, H	-	3Ts	-	-	-	pumping bypass
<b>recommended Power Supplies</b>		EVC 300-2	EVC 300s-2	EVC 300i	3x EVC 300	2x EVC 300-2 1x EVC 300s-2	EVC 300-2	EVC 300-2	EVC 100L