

Measuring systems of the GSA Messgerätebau GmbH in comparison

Characteristics	Sampler	SG10-2	SG12	SG350ex	SG5100ex	SG5200	PM4-2	SG4000ex (is not longer produced)	SG4000Netz (is not longer produced)	SG2500ex (is not longer produced)
type of application: stationary worn by persons		✓✓	✓✓	✓✓ ✓✓	✓✓ ✓✓	✓✓ ✓✓	✓✓	✓✓ ✓✓	✓✓	✓✓ ✓✓
Ex-Protection		none	none	Ex-protection II 1G EEx ia IIB T3	Ex-protection II 1G Ex ia IIB T3 Ga	none	none	Ex-protection II 2 G EEx ib IIB T3	none	Ex-protection II 1G Ex ia IIB T3
Volume flow		3,500 - 10,000 mL/min	3,500 - 10,000 mL/min	67 - 333 mL/min	50 - 4,000 mL/min	50 - 4,000 mL/min	66.7 l / min oder 46 l / min	50 - 3,500 mL/min	50 - 3,500 mL/min	50 - 2,500 mL/min
Alveolar dust fraction (A-dust, fine dust)		✓✓	✓	-	✓	✓	✓✓	✓	✓	✓
Inhalable dust (E-dust, total dust)		✓✓	✓	-	✓✓	✓✓	✓✓	✓✓	✓	-
Fibre measurement according to VDI 3492 (e.g. asbestos, MMMF, glas fibre)		-	✓✓	-	-	-	-	-	-	-
fibre measurement according to DGUV information 213-546 - raster electronic method		-	-	-	✓✓	✓✓	-	✓	✓	✓
fibre measurement according to DGUV information 213-531 - light microscopy method		-	-	-	✓✓	✓✓	-	✓✓	✓	✓✓
Welding fume		-	-	-	✓✓	✓✓	-	✓✓	✓	-
PAK / PCB according to VDI 2463 p. 7		-	-	-	-	-	✓✓	-	-	-
Gases (VOC, formaldehyde, etc.)		-	-	✓✓	✓	✓	-	-	-	-
Specials			integrated mass flowmeter	integrated mass flowmeter	battery unit can be changed by customer	battery unit can be changed by customer				
Further accessories		charger transport case carrying straps	power supply suction curved tube GSA50 suction tube GSA50 hose connection	charger transport case carrying straps support for TDS-tubes	charger transport case carrying straps battery unit	charger transport case carrying straps battery unit	power supply transport case battery with charger tripod	charger transport case carrying straps	power supply transport case suction	charger transport case carrying straps
Flowmeter		Rota 13L	Rota 13L	Rota 600mL Rota 115mL	Rota 4.2L	Rota 4.2L	6.3 m³/h	Rota 4.2L	Rota 4.2L	Rota 4.2L
Collection heads:										
PM4 - A-dust-head		-	-	-	-	-	✓✓	-	-	-
PM4 - E-dust-head		-	-	-	-	-	✓✓	-	-	-
FSP 2		-	-	-	✓	✓	-	✓	✓	✓
FSP 10		✓✓	-	-	-	-	-	-	-	-
GSP 0.5		-	-	-	✓✓	✓✓	-	✓✓	✓✓	✓✓
GSP 1		-	-	-	✓✓	✓✓	-	✓✓	✓✓	✓✓
GSP 2		-	-	-	✓✓	✓✓	-	✓✓	✓✓	✓✓
GSP 3.5		-	-	-	✓✓	✓✓	-	✓✓	✓	-
GSP 10		✓✓	-	-	-	-	-	-	-	-
FAP		-	-	-	✓✓	✓✓	-	✓✓	✓	✓✓
EA		-	-	-	✓✓	✓✓	-	✓✓	✓	-
GGP (3.5 l/min)		-	-	-	✓✓	✓✓	-	✓✓	✓	-
GGP-U (0.5 - 1 l/min)		-	-	-	✓✓	✓✓	-	✓✓	✓✓	✓✓
B70 Absorber		-	-	-	✓✓	✓✓	-	✓✓	✓✓	✓✓
TENAX, a-carbon tube, Dräger, etc.		-	-	✓✓	✓	✓	-	✓	✓	✓
VDI 3492 sampling head		-	✓✓	-	✓	✓	-	✓	-	✓
Weight		1.100g	3.700g	240g	540g	535g	3.300g	850g	800g	580g
Battery		Li-Ionen, 11.1 V; 5.0 Ah	usage only with power supply possible	Li-Ionen, 3.7 V; 2.0 Ah	Li-Ionen 7.4 Volt, 2.4 Ah	Li-Ionen 7.4 Volt, 2.4 Ah	Li-Ionen, 25.9V, 19.8 Ah	NiMH, 9.6 Volt, 2.5 Ah	usage only with power supply possible	Li-Ionen; 7.4 Volt; 2.0 Ah
Legend:		✓✓	particularly suitable	✓	with reservations suitable	-	not suitable			