

Technical specifications and characteristics

	GWC Technologies www.gwctechnologies.com	OpenPlex www.horiba.com	XelPleX www.horiba.com	EVA3.0 www.pcbiosensors.com
Detection technology	SPRi sensor	SPRi sensor		Photonic Crystal Surface Modes (PC SM) sensor
Working surface	Gold (<i>Au</i>)	Gold (<i>Au</i>)		Silica (<i>SiO₂</i>)
Flow rate range	(not specified)	1 to 100 $\mu\text{L}/\text{min}$		50 to 1000 $\mu\text{L}/\text{min}$
Flow cell height	70 μm	50 μm	40 μm	20 to 50 μm
Flow cell volume	11 μL	0.05 μL	0.06 μL	2 to 5 μL
Sample volume	50 to 2000 μL (Delivered with 200 μL sample loop)	5 to 90 μL	2 to 350 μL	50 to 200 μL
time resolution	(not specified)	(not specified)	(not specified)	0.1 to 10 sec
baseline noise, δm_a , (for a spot size $\sim 800 \times 800 \mu\text{m}^2$, in each spot, when PS-30 spotter is used)				1 (pg/mm ²)/ $\sqrt{\text{Hz}}$
baseline noise, δm_a (for a minimal spot size $\sim 100 \times 100 \mu\text{m}^2$)	8 pg/mm ²	10 pg/mm ²	5 pg/mm ²	3.5 (pg/mm ²)/ $\sqrt{\text{Hz}}$
baseline noise, δn_e (for a large spot size $> 1 \text{ cm}^2$)				2.5×10^{-7} RIU/ $\sqrt{\text{Hz}}$
baseline noise, δn_e (for a minimal spot size $\sim 100 \times 100 \mu\text{m}^2$)				2.5×10^{-6} RIU/ $\sqrt{\text{Hz}}$
Dimensions (W x D x H)				215 x 443 x 135 mm
Net weight				6.5 kg
price				€49 000