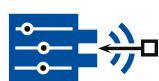


## Flow Computer VCA Series



Automatic matching  
with flow sensor



Real-time data processing



Up to 10 custom fluid curves  
selectable

### Functional description

The smart VCA flow computer is designed for harsh environment. It is best choice for reliable operation at the demanding conditions of vehicle road testing. Due to the extremely compact housing, it simply fits into the engine compartment where space is limited.

The automatic flow sensor identification ensures the flow computer is immediately ready to measure after connected to any VCT series flow meter (Hot-plug-capable). Up to 10 custom fluid curves (viscosity vs. temperature) can be stored for viscosity correction. The actual fluid to be measured can be selected wireless by means of an RFID-Tag. Both flow meter frequency and media temperature are precisely measured. A linearised and viscosity-corrected flow rate analoge output is generated in real time. TEDS data memories enable automatic set up of data acquisition systems connected. This significantly simplifies the configuration of the measurement chain.

<b>Input signals</b>	<b>Operating temperature range</b>		
Flow meter pulses	-40°C to +125°C		
Media temperature			
<b>Output signal</b>	<b>Electrical connections</b>		
(linearised & viscosity corrected)	LEMO/Yamaichi size 0		
Flow rate (custom scaled)			
0 to 10 V	<b>EMC</b>		
	EN 55011		
	EN 61000-4-2 bis EN 61000-4-6		
<b>Flow rate metrological properties</b>	<b>TEDS</b>		
Accuracy	IEEE 1451.4:2004		
Response time			
Low flow cut off	<b>Calibration certificate</b>		
Adjustable filtering	included flow rate		
	analog output		
<b>Custom fluid characteristics</b>	<b>Housing material</b>		
Up to 10 fluid curves, 29 points each	Anodised aluminium		
(RFID-Tag selectable)			
<b>Supply voltage</b>	<b>Weight</b>		
9 to 32 V DC reverse polarity protected	150 g. app.		
<b>Power consumption</b>	<b>Accessories</b>		
≤ 60 mA	Mating connector for Flow and analog output, RFID Tag, optional Accessories see separat data sheet		
<b>Degree of protection</b>			
IP 67			

### Dimensions (mm)

