

S1607.00 PULSE STRETCHER

When third party data acquisition systems are not able to read the 0.7 ms consumption pulse delivered by AIC High Rate flow sensors, the **Pulse Stretcher** offers an easy to implement and price competitive solution. By increasing the width of the pulses to 3 ms it makes it readable by most of the third party data acquisition systems.

The **S1607.00** provides two output connectors, allowing simultaneous connection of an AIC flowmeter to an AIC board computer and a third party acquisition system. The box stretches the consumption signal and provides an additional PNP stretched consumption signal output which can be used with third party acquisition systems when necessary. The outputs are also strengthened.

Advantage: Absence of time lag in displaying instantaneous and total fuel consumption.

888
 Instruktor

900
 VERITAS®

1000

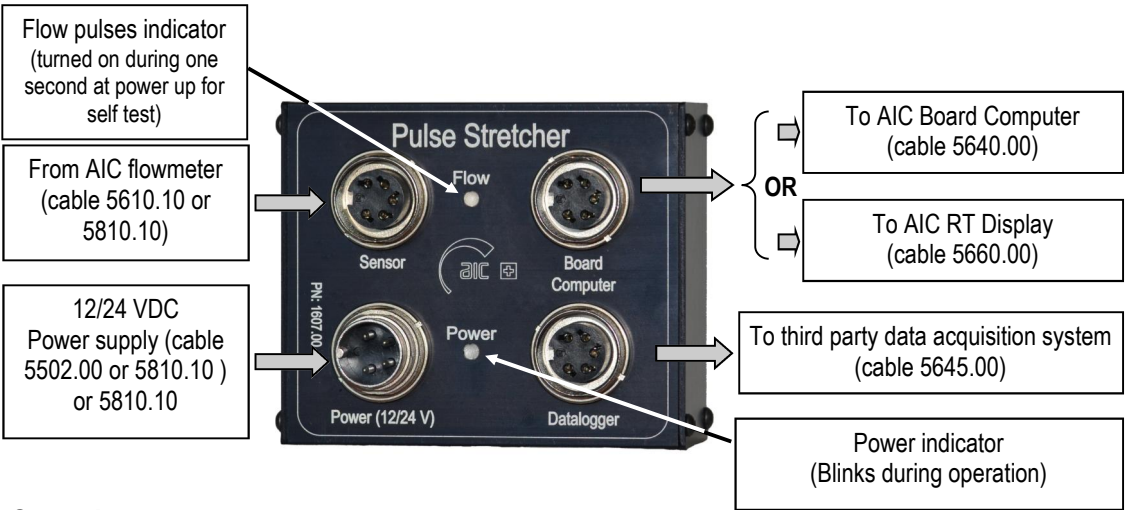
4000
 VERITAS®

5000
 Fuel flow
 Master

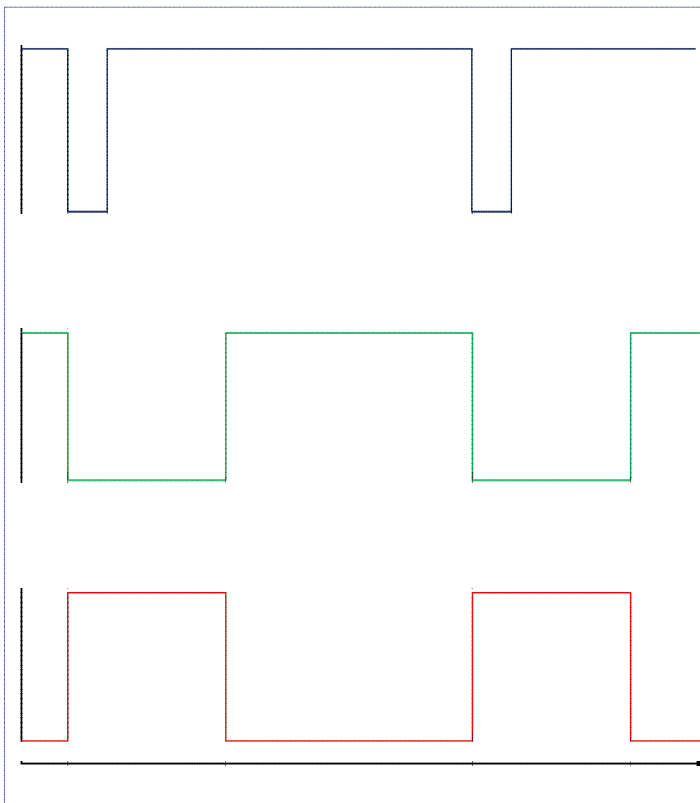
6000
 Swissline

FS

Board
 Computer
 and
 Totalizer



Operation



NPN standard Rectangular signal from AIC High Rate Sensor (0.7 ms pulse width)

Stretched signal on **Pulse Stretcher** NPN output

Stretched signal on **Pulse Stretcher** PNP output

Connectors pinout



5502.00 Supply cable (Option)



5660.00 Connection cable to Totalizer (option)



5640.00 Connection cable to BC (Option)



5645.00 Connection cable to third party data acquisition system (option)

Connector: Power (12/24 V)			
Pin	Wire color	Signal	Vehicle terminal
1	Green	0 Volt - Ground	31
2	Brown	+12/24 V - Stand by	30
3	N/C		
4	N/C		

Connector: Sensor		
Pin	Wire color	Signal
1	N/C	
2	Grey	Distance / Tacho signal
3	White	Consumption pulse
4	Brown	Sensor supply
5	Green	0 Volt - Ground

Connector: Board Computer		
Pin	Wire color	Signal
1	N/C	
2	Grey	Distance / Tacho signal
3	White	NPN Stretched Consumption pulse
4	N/C	
5	Green	0 Volt - Ground

Connector: Datalogger		
Pin	Wire color	Signal
1	Yellow	PNP Stretched Consumption pulse
2	Grey	Distance / Tacho signal
3	White	NPN Stretched Consumption pulse
4	N/C	Not Connected
5	Green	0 Volt - Ground

Product characteristics



S1607.00 Pulse Stretcher

Electrical	
Supply	8 / 28 VDC protected against pol. reversal
Consumption	< 30 mA
NPN output	32 V / 20 mA max - current limited
PNP output	20 mA max - current limited

Mechanical	
Housing material	Black anodized aluminum
Protection	IP50
Size	85 X 68 X 50 mm
Weight	150 gr