



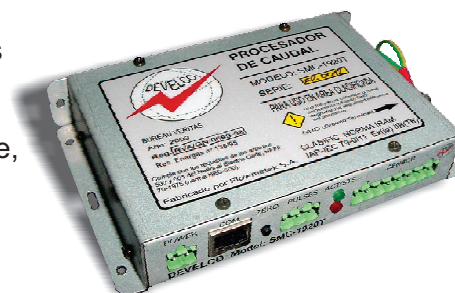
SMC-1920T Flow Processor.

The SMC-1920T Flow Processor is a new generation in DSP Technology, leading the Coriolis flowmeters to another level of efficiency. The SMC-1920T control, processes data and translates the electrical signal phase difference of the Mass Sensor Coils to quantified values of mass.

It has analog output pulse and digital interfaces which behaviour can be properly programmed via Software, Hardware, or a combination of both.

The SMC-1920T is compatible with all Flow Mass Sensor models produced for our company, providing an excellent Hardware/Software upgrade service.

The units already installed will have a significant improvement in their performance and never become obsoletes.



Power Specifications of the SMC-1920T Flow Processor.

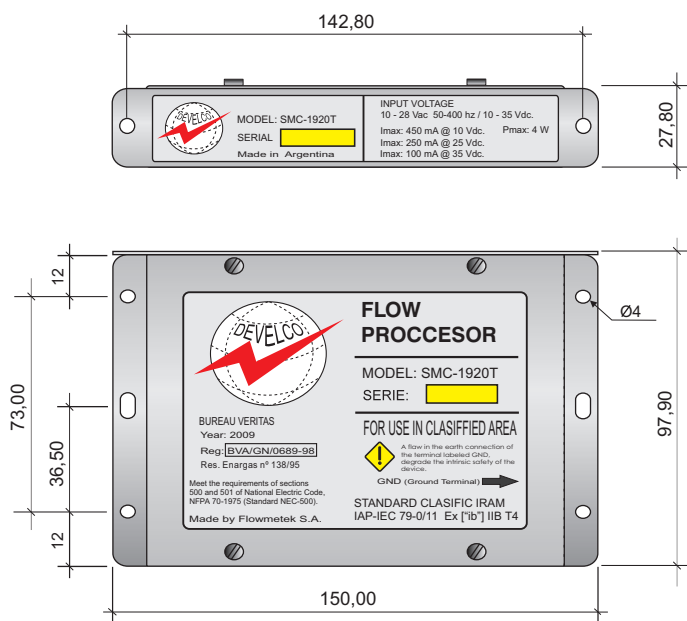
Input Voltage	10 - 28 Vac 50/400 Hz / 10 - 35 Vdc.
Maximum Current	Imax: 450ma @ 10 Vdc. Imax: 250ma @ 25 Vdc. Imax: 100ma @ 35 Vdc.
Maximum Power	Less 4 watt in any condition.
Electrical Safety	Intrinsically Safe according to Standard Classification IRAM-IAP-IEC 79-0/11 Ex ["ib"] IIB T4.

Features Signal Output of SMC-1920T Flow Processor.

Analog Output	Pulse Output.
Signal	Active or Pasive Standard Signal Pulse, configurable by Hardware.
Amplitude Pulse	5 or 12 V positives in Active Mode, configurable by Hardware.
Pulse Width	Duty cycle automatically adjusted to 50% up to 50 msec pulse width.
Frecuency Output	Configurable by Software to 2Khz máx.
Impedance Output	660 ohm +/- 10% in active mode.
Digital Output	Serial Data Communication Channel.
Port 1	Standard RS-232 Half Duplex, compatible with VT100 terminals (can be used under Windows with the operating system standard application, Hyper Terminal).
Port 2	Standard RS-485 Half Duplex. It use the Develco proprietary protocol to communicate with the SMC-1900P Hand Held, or with the User Application.

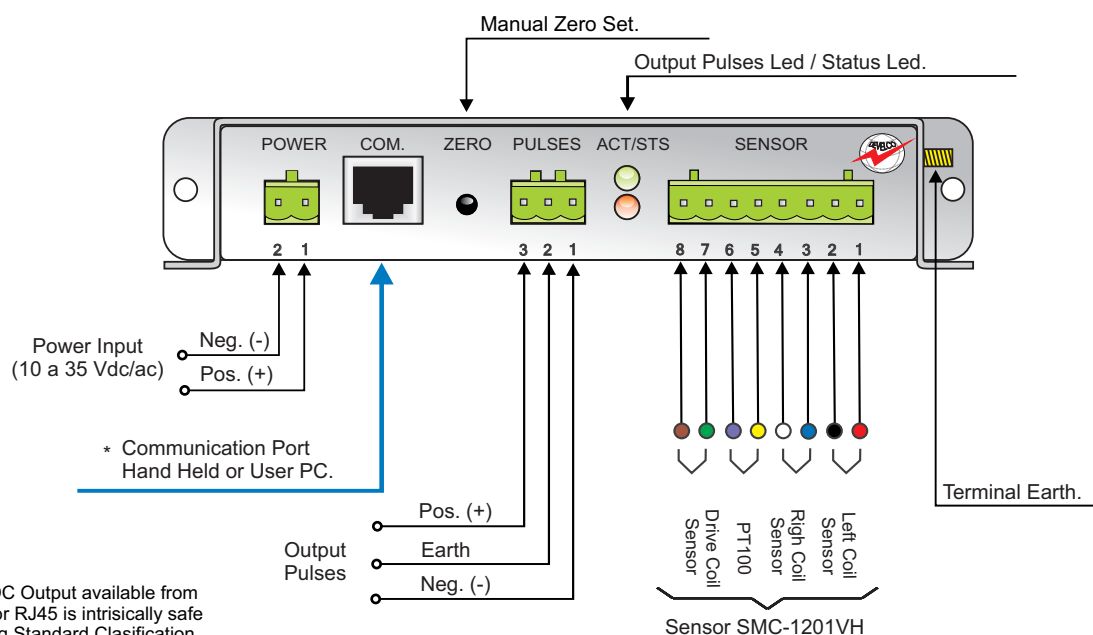


SMC-1920T Flow Processor Dimensions.



Measurement expressed in millimeters.

Connection Diagram SMC-1920T Flow Processor.



* (Power DC Output available from connector RJ45 is intrinsically safe according Standard Clasification IIRAM-IAP-IEC 79-0/11 Ex [ib] IIB T4)