

Online4US Module AIM

Online4US Module: FU.O4US.AIM.001 (Analog Input Module)



The analog input module transforms analog signals (0-10 VDC) into a digital format.

Analog inputs are used:

- For variable speed machinery whose speed rotation is given by an analog tachometer;
- For interfacing temperature sensors.

General	
Function	Analog input for signal acquisition triggering
Processor	ARM Cortex-M3 @ 72MHz
Input channel	8 electrically insulated digital inputs
Environmental	
Operating temperature range	-20 to +55 °C -4 to 131°F
Mechanical	
Housing material	Polycarbonate
Dimensions housing	71.6x89.7x54.9 mm 2.80"x3.50"x2.13"
Mounting	35 mm DIN-rail
Weight	125g 4.4oz
Power	
Power supply	24VDC +/- 10% (uses main power supply through internal DIN-rail connection, no external wiring is needed)
Power consumption	≈50mA
Electrical	
Power reference	Isolated 12VDC internally provided (no external wiring is needed)
Minimum input voltage	0VDC
Maximum Input voltage	12VDC
Input resistance	> 200k
Resolution	8bits
Acquisition time	160 ms