4-20mAmp Sensor (VC00)

Integrate Third Party Sensors

4-20mA sensor can be used to interface third party sensors with your AKCP base unit. There are many industrial and scientific sensors that output a 4-20mAmp signal. Programming of the sensor scale is done through the base units user interface. This makes it very easy to interface specialized sensors with AKCP devices, allowing you to take advantage of the alerts and monitoring they provide.

Typical third party sensors with 4-20mAmp output are:

- CO2 sensors
- PH meters
- Air Particle Sensors
- Precision Airflow Sensors

The sensor comes in an innovative box with a variety of mounting options built in such as DIN rail mounting, keyhole, screw, pipe clamp and cable ties.

Measuring Specifications	
Input	2 pin Phoenix connector : 4-20mA Iin(+) and Iin(-) for current loop
Output	Voltage Range +0.4 V to +2.0 V
Linearity	± 0.09 % Full Scale, Maximum
Accuracy	± 0.15% Full Scale (± 0.3% Full Scale, Maximum)
Status Indication	LED indication for current detection
	LED indication for power
Electrical	no galvanic isolation
Components	Manufactured using highly integrated, low power surface mount technology to ensure long term reliability.
Operating Environment	Temperature : Min. -35° C – Max.80° C
	Humidity: Min. 20% – Max. 80% (Non-Condensing)
Interface Communications cable	RJ-45 jack to sensor using UTP CAT5e/6 cable
Power source	Powered by the controller unit. No additional power needed
Power Consumption	Typical 120 mWatt, 24mA
Maximum Cable Length	The 4-20mA sensor Adaptor can be extended from the RJ-45 Intelligent Sensor ports on the base units up to
	50 feet, or 15 meters using standard CAT5/6 LAN cable
Dimensions	65(W) x 62(H) x 15(D) mm
Mounting	DIN rail mounting
	Screw mounting
Sensor count	1

4-20mAmp Sensor

Est USA 1981

61.7mm

4-20 mAmp Sensor

Host Connection

AKCP
Power.Sensor.Security

Status

64.7mm

71.8mm

34.30mm