



## AFCM Universal Analog to Frequency Converter

Item number: AFCM0001

The AFCM Universal Analog to Frequency Converter is a high-performing and highly accurate universal input signal conditioner and converter that receives input for RTD, TC, Ohm, potentiometer, mA and V. Detachable programming window makes it easy to program and recalibrate the device, as well as mirror existing configurations to save time.



*Convert process signals to user-definable frequency output signals*

### Features and benefits

- ✓ **Temperature measurement**  
Linearized electronic temperature measurement with RTD or TC sensor. Conversion of linear resistance variation to a standard analog current/voltage signal.
- ✓ **Simple operation**  
Available with 0 to 25 kHz frequency output (NPN, PNP and TTL).
- ✓ **Easy installation**  
Easily install to a DIN-rail.
- ✓ **Industry certified**  
UL-listed approval. FM-approved for installation in Division 2 hazardous locations.
- ✓ **3-port isolation**  
High galvanic isolation of 2.3 kVAC. Galvanic separation and conversion of analogue signals to frequency signals. Signal/noise ratio of >60 dB.
- ✓ **Power supply**  
Universal AC or DC supply
- ✓ **Designed for harsh environments**  
Engineered to deliver uncompromising performance in demanding environments.



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## General

Net Weight (g)	155.071765
Packed Weight (g)	155.071765
Operating Temperature °C Min	-20
Operating Temperature °C Max	60
Relative Humidity	< 95% RH (non-cond.)
Power Consumption (W)	2.5
Packaging Material	Cardboard
Warranty (years)	2

## Identification and Status

Product ID	AFCM0001
Country of Origin	United States of America (the)
HS Code	8538909999
Dual Usage	No

## Physical Features

SD Card Slot	No
Flash Drive	No
Contains Battery	No

## Certifications and Standards

Protection Class IP	IP20
RoHS Compliant	No
CE	Yes
FCC	No



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## Certifications and Standards

UKCA	No
UL	Yes
ATEX	No
DNV	No
KC	No