

ADAM-5080

ADAM-5081

4-ch Counter/Frequency Module

4-ch High Speed Counter/Frequency Module



ADAM-5080



Specifications

General

- **Certifications** CE, FM
- **Connectors** 1 x Plug-in screw terminal (# 14 ~ 22 AWG)
- **Enclosure** ABS+PC
- **Power Consumption** 1.5 W (max.)

Counter/Frequency

- **Counter Aux. Function** Initial preset, hi-low alarm setting, alarm digital output mapping, overflag
- **Channels** 4
- **Input Frequency** 0.3 ~ 1,000 Hz max. (frequency mode)
5,000 Hz max. (counter mode) TTL only
- **Input Level** Isolated or TTL level
- **Isolation Input Level** Logic level 0: 1 V_{max}
Logic level 1: 3.5 ~ 30 V
- **Isolation Voltage** 1,000 V_{RMS}
- **Maximum Count** 4,294,967,295 (32 bits)
- **Minimum Input Current** 2 mA (isolated)
- **Minimum Pulse Width** 500 μs (frequency mode)
100 μs (counter mode)
- **Modes** Counter (up/down, bi-direction), Frequency
- **Programmable Digital Filter** 1 ~ 65,000 μsec (Noise Filter Function)
- **TTL Input Level** Logic level 0: 0 ~ 0.8 V
Logic level 1: 2.3 ~ 5 V

Note: Does not support ADAM-5550 Series

Ordering Information

- **ADAM-5080** 4-ch Counter/Frequency Module



ADAM-5081



Specifications

General

- **Certifications** CE
- **Power Consumption** 1.1 W (Max.)
- **Enclosure** ABS+PC
- **LED** Power/Communication Indicator

Counter/Frequency

- **Channels** 4
- **Maximum Count** 4,294,967,295 (32 bit)
- **Input Frequency** 5 Hz ~ 1 MHz max. (frequency mode)
1 MHz max. (counter mode)
- **Input Level** Isolated or TTL level
- **Minimum Pulse Width** 1 μsec. (frequency mode)
1 μsec. (counter mode)
- **Minimum Input Current** 2 mA (isolated)
- **Isolation Input Level** Logic level 0: +3 Vdc (max),
Logic level 1: +10 Vdc to 30 Vdc
- **TTL Input Level** Logic level 0: 0 Vdc to 0.8 Vdc,
Logic level 1: 2.3 Vdc to 5 Vdc
- **Isolation voltage** 2,500 V_{RMS}
- **Modes** Counter (up/down, bi-direction, up, A/B Phase),
Frequency
- **Counter Aux. Function** Initial preset, hi-low alarm setting, alarm digital output mapping, overflag
- **Programmable Digital Filter** 1 ~ 65,000 μsec (Noise Filter Function)

Note:

For ADAM-5550 Series, ADAM-5000/485, ADAM-5000E, ADAM-5000/TCP, ADAM-5510M, ADAM-5510/TCP and ADAM-5510E/TCP.

Ordering Information

- **ADAM-5081** 4-ch High Speed Counter/Frequency Module