

MICRO800 PLUG-IN MODULES

# Product Data Sheet

## 2080-OF2

Two-channel analog output plug-in module

| OUTPUT CHANNELS | VOLTAGE OUTPUT RANGE | CURRENT OUTPUT RANGE | CONVERSION RESOLUTION |
|-----------------|----------------------|----------------------|-----------------------|
| 2               | 0 to 10 V DC         | 0 to 20 mA           | 12 bits               |

Allen-Bradley 2080-OF2 is a two-channel analog output plug-in module for compatible Micro800 controllers. It adds unipolar voltage or current outputs for setpoint and actuator-command interfaces in standalone machine and process-control applications.

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## VERIFIED TECHNICAL DATA

|                             |                              |
|-----------------------------|------------------------------|
| Output channels             | 2                            |
| Voltage output range        | 0 to 10 V DC                 |
| Current output range        | 0 to 20 mA                   |
| Conversion resolution       | 12 bits                      |
| Output data range           | 0 to 65535                   |
| D/A conversion rate         | 2.5 ms maximum, all channels |
| Step response to 63%        | 5 ms                         |
| Voltage-mode load current   | 10 mA maximum                |
| Voltage-mode resistive load | 1 kohm minimum               |
| Current-mode resistive load | 500 ohm                      |

## ADDITIONAL PRODUCT DATA

|                              |                            |
|------------------------------|----------------------------|
| Current-mode inductive load  | 0.01 mH maximum            |
| Voltage-mode capacitive load | 0.1 microF maximum         |
| Overall accuracy             | ±1% full scale at 25 deg C |
| Supply current               | <60 mA at 24 V             |
| Operating altitude           | 2000 m maximum             |

## DOCUMENTED USE SETTINGS

Food Processing and Beverage Production Automation: Beverage Production and Blending.

Water Processing and Wastewater Treatment Automation: Water Treatment and Distribution.

Product Transfer and Industrial Material Handling: Manufacturing Product Transfer.

## SYSTEM COMPATIBILITY

Allen-Bradley 2080-OF2 is a two-channel analog output plug-in module for compatible Micro800 controllers. It adds unipolar voltage or current outputs for setpoint and actuator-command interfaces in standalone machine and process-control applications.

## PRODUCT EVIDENCE

Allen-Bradley Micro800 plug-in modules official technical documentation

AMIKON PRODUCT SUPPORT

+86-18020776786

INFO@AMIKON.CN

AMIKONG.COM