

APEX Analog Feedback Options

Introduction:

APEX analog feedback options allow accurate and reliable monitoring of valve position when installed in APEX positioners. We offer two resistive feedback options and a 4-20 mA current transmitter option. These options may be factory installed, or may easily be added in the field.



Applications:

Our APEX analog feedback options may be used in any non-hazardous location (for hazardous applications, ask your representative about top-mounting our UltraSwitch XL explosion proof limit switch enclosure). Corrosion resistant materials assure long life in corrosive environments.

Features (all options):

1. Precision gearing and positive gear engagement eliminates deadband errors.
2. Precise 1% linearity tolerance potentiometers assure accurate feedback.
3. Conductive plastic potentiometers assure long life in corrosive atmospheres and eliminate the staircase effect associated with wirewound potentiometers.
4. Terminal strip for easy hookup.

Additional 4-20 mA Transmitter features:

5. LED indication of loop power simplifies troubleshooting.
6. Internal zero and span calibration.
7. Direction reverse switch changes feedback from increasing to decreasing signal.
8. Non-interactive span adjustment reduces calibration time.

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Specifications:

Option F: 4-20 mA Current Transmitter

Voltage Supply Required: 6-30 VDC

Impedance: 300 Ohms at 20 mA

Note: Impedance changes with current (see chart). To properly design current loop, use 300 Ohms and 20 mA current.

Linearity: 1%

Option G: 0-1K Ohms Resistive

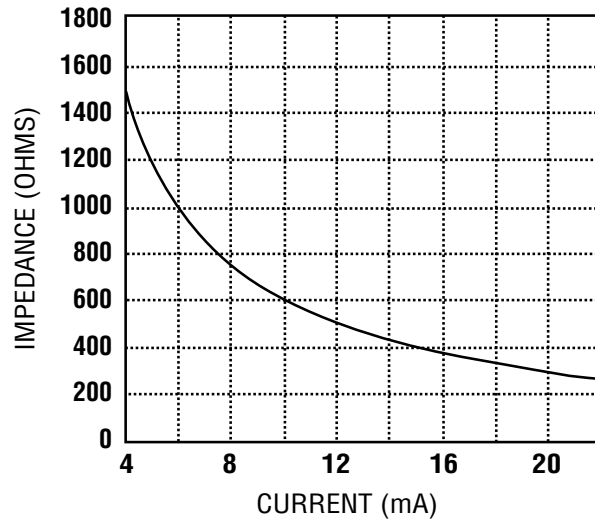
Max. Load: 1 Watt

Linearity: 1%

Option H: 0-10K Ohms Resistive

Max. Load: 1 Watt

Linearity: 1%



How to Order:

APEX figure numbers have optional meaningful characters for analog feedback options. Referring to the Table of Contents page, simply specify the character corresponding to the proper feedback option (characters are also shown below). To order a field installation kit, simply specify the part number shown in the table below.

Feedback Option	Meaningful Character	Field Installation Kit Part Number*
4-20 mA Transmitter	F	KMA_F
0-1K Resistive	G	KMA_G
0-10K Resistive	H	KMA_H

***Note:** Fill in the blank with desired cam option (see PS0007-CV)
For standard linear cam, use "A" (example: KMAAG).