“Plug and Play” 4-20 mA Analog Expansion I/O
- Works Seamlessly with the JNIOR 310
- Cost-Effective
- No Programming Required
- Web Based Configuration Screen
- Integrates Easily with Other Applications
- TCP/IP, Modbus and OPC Communications

The JNIOR family of I/O modules with “Advanced Capabilities” brings cost-effective and seamless connectivity and control, with web and IT friendly features, to a small amount of process signals for integration over the Ethernet network with a variety of asset management applications.

The INTEG Analog Expansion Module allows users of the JNIOR Model 310 to add analog I/O to their applications. The Model 310 automatically recognizes the analog module when connected via the Sensor Port. The analog module I/O points will be seamlessly integrated with the JNIOR I/O data structure and become instantly available via the built-in web pages, TCP/IP data packets, Modbus, Windows API (DLL), and OPC Server. The module configuration is completed via the built-in web page.

Up to 2 “plug and play” expansion modules can be daisy-chained to the JNIOR Model 310 via the Sensor Port.

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**Catalog No.**

<table>
<thead>
<tr>
<th>Inputs</th>
<th>Outputs</th>
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<tbody>
<tr>
<td>EXP-200-001</td>
<td>4 @ 4 – 20 mA</td>
</tr>
<tr>
<td></td>
<td>2 @ 4 – 20 mA</td>
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</tbody>
</table>

**Power Input**

None required - Draws power via Sensor Port on JNIOR

**Physical**

- Dimensions: 4 x 2 x 1.2 in. (102 x 51 x 31 mm)
- Weight: 4 ounces (115 grams)
- Case: Flame Retardant ABS Plastic

**Analog Inputs**

- Quantity: 4
- Range: 4 – 20 mA
- A/D Resolution: 12 bits
- Full Scale Accuracy: Better than 1% full-scale range

**Analog Outputs**

- Quantity: 2
- Range: 4 – 20 mA
- D/A Resolution: 12 bits
- Full Scale Accuracy: Better than 1% full-scale range

**Sensor Port**

I/O expansion via Sensor Port – can be located up to 50 feet from the JNIOR

**Environment**

- Operating Temp: -15°F to 160°F (-25°C to 70°C)
- Storage Temp: -40°F to 185°F (-40°C to 85°C)
- Humidity: 5 to 95% Non-Condensing

**Installation**

- Wiring: 2-piece connectors for wiring
- Mounting: Tabs with DIN-rail option available

**Warranty**

2 years