

TC-OAV081, TK-OAV081**Table 6-12** Analog Output, 8-Point, Current/Voltage Module

| Parameter | Specification |
|--------------------------------------|---|
| Number of Points | 8 channels |
| Voltage Output Range | ± 10.4 V |
| Current Output Range | 0 to 21 mA |
| Voltage Resolution | 320 μ V per count |
| Current Resolution | 650 nA per count |
| Output Overvoltage Protection | 24 VAC/VDC continuous at room temperature |
| Open Short Circuit Protection | Electronically current limited to 21 mA or less |
| Drive Capability | >2000 Ω (Voltage) 0-750 Ω (Current) |
| Calibrated Accuracy @ 25°C | Better than 0.05% of range From 4 to 21 ma (Current) From -10.4V to +10.4V(Voltage) |
| RFI Immunity | Error of less than 2.0% of range at 10 V/m, 27 to 1000 MHz |
| Module Update Rate for All Channels | 25 ms |
| Output Settling Time | Less than 2 ms to 95% of final value with resistive loads |
| Output Offset Drift with Temperature | 50 μ V/°C typical (voltage) 100 nA/°C typical (current) |
| Output Gain Drift with Temperature | 25 ppm/°C maximum (voltage) 50 ppm/°C maximum (current) |
| Module Error Over Full Temp. Range | 0.15% of range(Voltage) 0.3% of range (Current) |
| Isolation Voltage User to system | 100% Tested at 2550VDC for 1s |
| Power Dissipation | 6.9 W max |
| Backplane Current | See Module Power Consumption Data, page 46. |
| Connection Terminal Blocks | TC-TBNH, 20-position terminal block |