



STATE™-200

Acquisition Unit for Slow Evolving Signals

General Specifications

Power Requirement

- Input voltage 100-240 V_{AC} (50-60 Hz), 105-250 V_{DC}
- Power consumption
 - with 16 isolated input modules and providing maximum 24V output 60 W
 - with 16 isolated input modules, not providing any 24V output 30 W
 - without input modules, not providing any 24V output 5W
- Protection Two (2) fuses 250V, 3.15A slow-blow (one on Line, one on Neutral)

Analog Input Modules

- Combination of up to 16 modules, various types available (see Table 1 on reverse side)
- 24 V_{DC} Power Output (1 per channel)
 - I_{Out} max. (per channel) 200 mA
 - I_{Out} max. (16 channels) 1,0 A

Communication Port

Ethernet (1X)

- Protocol TCP/IP
- Communication speed 100 Mbps (10/100Base-T Standard)

Connection

- Power 3-pos. removable screw terminal
- Ethernet RJ-45
- Analog inputs 7-pos. miniature removable screw terminal

Environmental

- Temperature Range
 - Operation 0° to 50°C [32° to 120°F]
 - Storage -40° to 80°C [-40° to 175°F]
- Humidity up to 95%, non condensing

Physical Characteristics

- Casing 3U high, 19" rack-mount, NEMA 1 / IP20
- Dimensions
 - Height 13.34 cm [5.25 in.]
 - Width (front) 48.26 cm [19.00 in.]
 - Width (back) 44.25 cm [17.42 in.]
 - Depth 45.72 cm [18.00 in.]

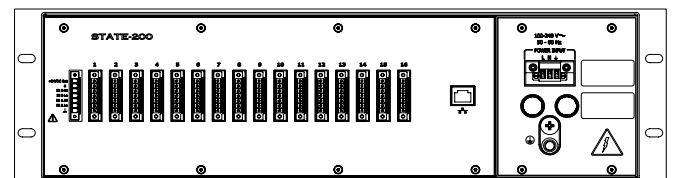
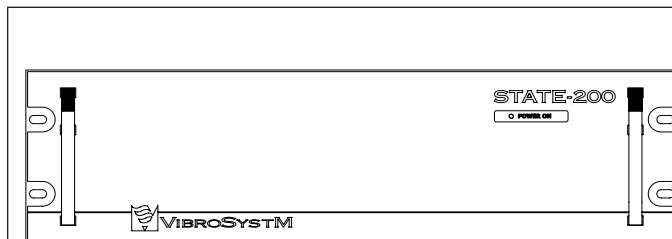




Table 1: Input Modules Available

| Input Range | |
|---|---|
| Voltage DC | Input-to-output isolation: 4000Vrms Input-to-analog supply (T models): 4000Vrms 60 % of scale change in 165ms 0 to 50 mVDC isolated 0 to 100 mVDC isolated 0 to 5 VDC 0 to 5 VDC isolated -5 to +5 VDC -5 to +5 VDC isolated 0 to +10 VDC -10 to +10 VDC -10 to +10 VDC isolated |
| Voltage AC | Input to logic output isolation: 4000Vrms Module-to-Module isolation: 1500Vrms Full scale change in 1.5sec 28 to 140 VAC isolated |
| Current | Input-to-output isolation: 4000Vrms Input-to-analog supply (T models): 4000Vrms Full scale change in 3ms 0 to 20 mA isolated 4 - 20 mA 4 - 20 mA isolated |
| Temperature (RTD) | Isolation transient: Input-to-output: 4000Vrms Input-to-analog supply: 4000Vrms Full scale step change in 100ms 3-wire 100Ω RTD, PT100 isolated -50° to +350°C (-58° to + 662°F) 4-wire 10Ω RTD, CU10 isolated -55° to +150°C (-67° to + 302°F) |
| Contact Closure (switch, relay or other) | Contact closure shorting logic input to ground 0 to +10 VDC (5V input bias through internal pull-up resistor) |