

## MicroScan autoSCAN-4 Microbiology System



# autoSCAN-4 TECHNICAL SPECIFICATIONS AND INSTALLATION REQUIREMENTS

### Physical

|                          |                       |
|--------------------------|-----------------------|
| Dimensions               | 10" H x 19" W x 23" D |
| Weight                   | 40 lbs.               |
| Power cord length        | 6'5"                  |
| Cable to computer length | 8'5"                  |
| Digital interface        | RS-232C (9600 baud)   |
| AC power plug type       | 5-15P                 |

### Power

|                                    |                                      |
|------------------------------------|--------------------------------------|
| Line voltage                       | 105/115/230 VAC $\pm 10\%$           |
| Line frequency                     | 60/50 Hz $\pm 10\%$                  |
| Line current                       | 2.00A max. (115V), 1.25A max. (230V) |
| Heat generation                    | 630 BTU/HR                           |
| Uninterruptible Power Supply (UPS) | Optional                             |

### Optical system

|                    |  |
|--------------------|--|
| General            | Abridged filter photometer with six interference filters (wavelengths in nanometers: 440, 470, 505, 560, 590, 620), 96-channel fiber optic harness |
| Light source       | Tungsten-halogen lamp, 3500 hours  |
| Spectral bandwidth | 10 nm  |

### Analyzer

|                       |                        |
|-----------------------|------------------------|
| System panel capacity | 1 panel/reading        |
| Read time             | Less than five seconds |

### Safety requirements

|                              |   |
|------------------------------|---|
| Ground impedance             | 0.1 ohms max.   |
| Dielectric withstand voltage | No dielectric breakdown (@ 1000 VAC 60 Hz for one minute) |
| Power cord                   | 3-conductor, 16 AWG industrial grade SJT                  |
| Overcurrent interrupter      | 1.60A (115V), .80A (220V)                                 |
| Leakage current              | Less than 500 $\mu$ A                                     |



# MicroScan autoSCAN-4 Microbiology System

## Safety compliance

The autoSCAN-4 instrument was designed and tested to comply with safety standards UL3101-1, CSA C22.2#1010.1 and EN61010-1 under the following environmental conditions:

|                      |  |
|----------------------|--|
| Temperature          | 5°C (41°F) to 40°C (104°F)   |
| Humidity             | Max. 80% at 31°C (88°F) to 50% at 40°C (104°F)   |
| Altitude             | Max. 2000 m. (6,561 ft.)   |
| Main supply          | 115/230 VAC, 50/60 Hz, 230 W max.  |
| Overvoltage category | Category II, connected to a branch circuit   |
| Pollution degree     | Degree 2, normal indoor laboratory environment.<br>Air contains only non-conductive pollutants with occasional condensation. |

## Emission compliance

The autoSCAN-4 instrument was designed and tested to comply with standard EN61326.

## Product and peripheral equipment dimensions

Specifications are for autoSCAN-4 instrumentation only and do not include peripheral equipment. Dimensions for peripheral equipment are informational only and may change without notice.

