

## 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



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## 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. 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.

