



SOP 117/03	Installation Environment Specification	
Page 2 of 2	Product: Automatic TLC Sampler III winCATS	

- Do not place the instrument in direct sunlight. Direct sunlight may create significant temperature changes which will affect the performance of the system. Direct sunlight may discolor the instrument paint surfaces.
- Do not use the instrument in an environment with moving ambient air (draft).
- Do not expose the instrument to any strong vibration or shock.
- Avoid placing the instrument near equipment that radiates heat. Do not place the instrument near gas burners, electric heaters or ovens.
- Do not place the instrument near equipment that generates intense magnetic fields such as electric welding equipment, high frequency furnaces, pole transformers, etc.
- Protect the instrument from excessive dust.
- Connect the instrument to power lines that are free from sudden changes or voltage fluctuations.
- If you must use power motor driven equipment (such as a stirrer or vibrator) in the same line as your instrument, ensure that a noise reduction unit is in the same power line

## 2.1 Conditions for the installation

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Confirm that the following requirements exist before installing the instrument:

### Power supply and ground

Line voltage: 115 or 230V AC (see rating plate on instrument).  
Fluctuations must not exceed 90 - 130V (115V)  
and 180 - 260V (230V)..

Frequency: 50 or 60 Hz

Power capacity: 60 VA

Ground terminal: A grounded outlet should be within 2 meters of the instrument. The grounding terminal should have a grounding resistance below 100 ohms.

### Gas supply

N2 or	Required pressure	4-6 bar (60-90 psi)
compressed air	Gas consumption	0.2 - 0.3 L/min (spotwise) 0.8 - 1.0 L/min (bandwise)