

Nano ITC, Affinity ITC, Affinity ITC Auto



Site Preparation Guide

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Ideal Setup



IDEAL PLACEMENT AND BENCH MEASUREMENTS

Select a location with adequate floor space and a rigid laboratory bench that is level and is in a vibration-free environment.



Bench length: 2.4 m (8 ft)

Bench depth: 76 cm (30 in) min.

Distance from the wall: 20 cm (8 in) min.



An **Autosampler** requires an additional 30 cm (1 ft) bench space to accommodate up to 6 bottles (0.5 L-4 L) to the left of the Autosampler and 1-2 waste outlet collection bottles (1 L-4 L) at the back. Additional floor space beneath the Autosampler is required for 4 L spent rinse fluid collection bottle.

System Components



MAIN SYSTEM COMPONENTS



- A. Computer (Controller)
- B. Autosampler (Optional)
- C. Instrument

Instrument Measurements



NANO ITC



Height: 28 cm (11 in)

Width: 35 cm (14 in)

Depth: 53 cm (21 in)

Weight: 17 kg (37 lbs)



AFFINITY ITC

Height with arm LOWERED: 53 cm (21 in)

Height with arm RAISED: 71 cm (28 in)

Width: 35 cm (14 in)

Depth: 53 cm (21 in)

Weight: 17 kg (38 lbs)



Instrument Measurements



AFFINITY ITC AUTO – INSTRUMENT



Height with arm LOWERED: 53 cm (21 in)

Height with arm RAISED: 71 cm (28 in)

Width: 35 cm (14 in)

Depth: 53 cm (21 in)

Weight: 20 kg (44 lbs)



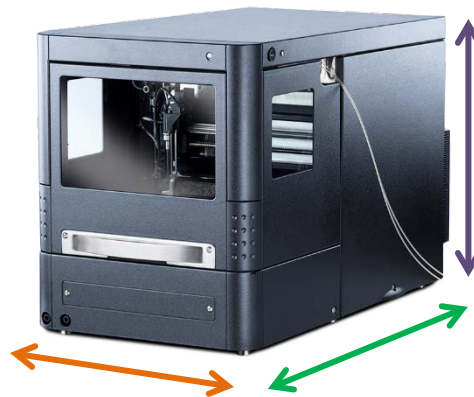
AFFINITY ITC AUTO – AUTOSAMPLER

Height: 35 cm (14 in)

Width: 30 cm (12 in)

Depth: 56 cm (22 in)

Weight: 21 kg (46 lbs)



Utility Requirements




LABORATORY

Item	Requirement
Temperature	15–30°C
Relative Humidity	5–80% (non-condensing)
Temperature Stability	±1°C with changes in temperature being gradual shifts instead of fast changes
Instrument Location Environment	<ul style="list-style-type: none">• Dust-free• Vibration-free• Away from exposure to direct sunlight and direct air drafts• Pollution Degree 2 Environment• Maximum altitude: 2000 m (6560 ft)



POWER

Item	Requirement
Instrument power	100–240 VAC, 3A, 50/60 Hz
Power line	Grounded, single-phase line for instrument and computer, not shared with motors, heaters, or compressors <ul style="list-style-type: none">• 15 A for voltages near 120 VAC• 10 A for voltages near 230 VAC
Electrical power cord	<ul style="list-style-type: none">• The plug of the cord must be rated to carry at least 125% of the product current rating.• The cord length must be less than 4.5 meters and must be UL or CSA approved.
Customer-supplied	Surge suppressor power strip 

Computer Requirements



HARDWARE REQUIREMENTS

Item	Requirement
Processor	<ul style="list-style-type: none">• Intel® Core™ i3 or better• 2.93 GHz with 3 MB L2 cache
Memory	Required: ≥ 8 GB RAM (if the computer is only acting as the controller) Recommended: ≥ 16 GB RAM or greater (for best analysis performance)
Hard drive	≥ 300 GB free space
DVD	≥ 16x CD-ROM optional. Obtain the latest software updates at http://www.tainstruments.com/support/software-downloads-support/downloads
Screen resolution	Minimum: 1280 x 1024 with 24-bit colors Recommended: 1920 x 1080 with 24-bit colors
Graphic card	128 MB DirectX10 or higher recommended
Screen (LCD) size	Recommended: 24" wide screen
USB Ports (1 for instrument and 1 for Autosampler)	2.0

Computer Requirements



SOFTWARE REQUIREMENTS

Item	Requirement
Operating System	<ul style="list-style-type: none">Windows 7, 8, 10 Ultimate, Enterprise & ProfessionalHome version not supported
	Required: 32-bit or 64-bit version Recommended: 64-bit version
Browser	Internet Explorer
Other	Microsoft Operating System Service Pack
Other	Windows Operating System and associated Microsoft updates must be up-to-date
Network	<i>TA Instruments is not responsible for resolving issues associated with connections to your corporate network.</i>
Conflicts	<i>TA Instruments is not responsible for resolving hardware/software conflicts created by the addition of third party hardware or software to the computer.</i>

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