

# Rubber Testing Instruments

ADT AHT



## Site Preparation Guide

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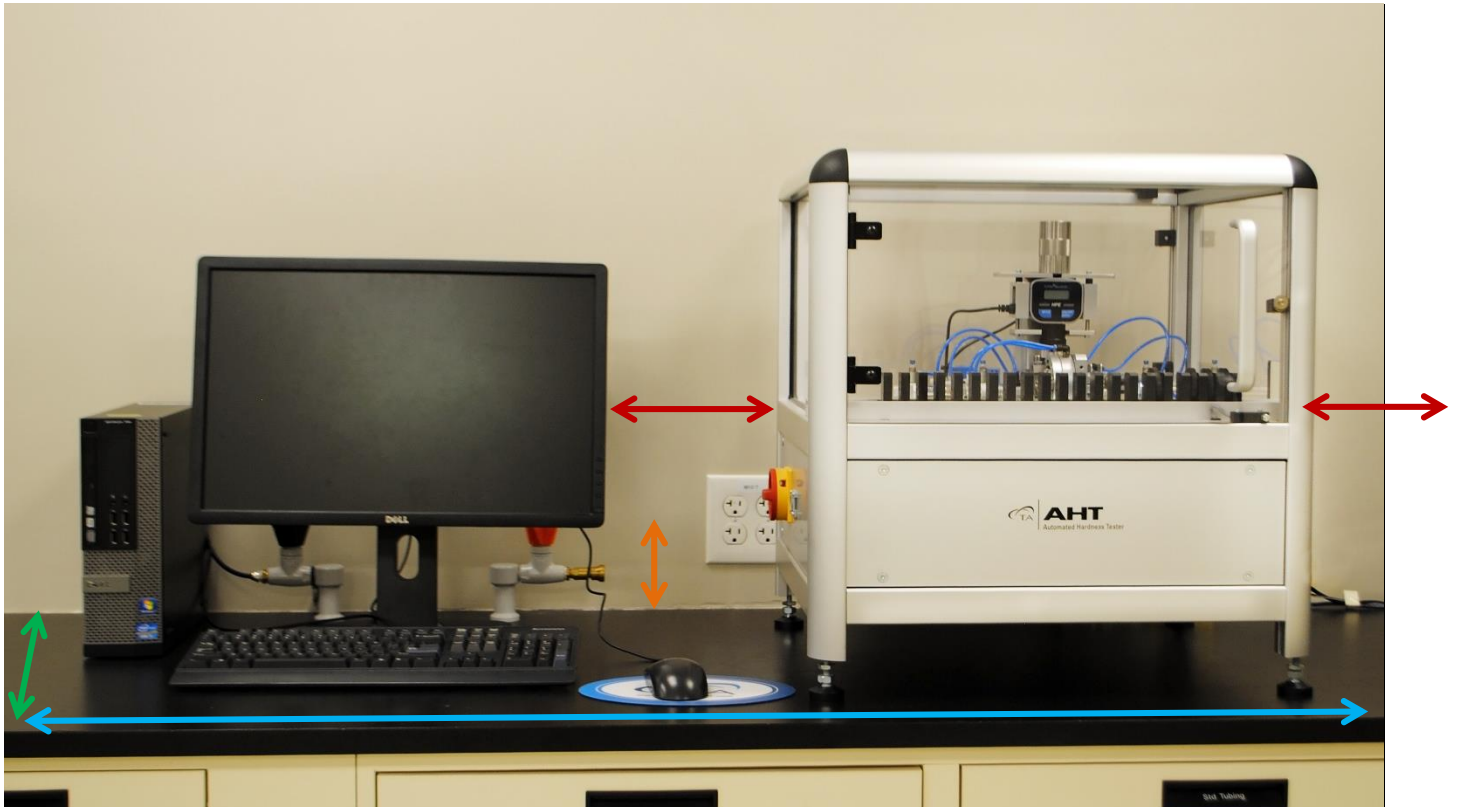
# Ideal Setup



## IDEAL PLACEMENT AND BENCH MEASUREMENTS



A rigid laboratory bench that is level and is in a vibration-free environment is required.



Bench length: 1.8 m (6 ft)

Bench depth: .8 m (3 ft) min.

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

Free space on either side of the unit: 43 cm (24 in)

# System Components



## MAIN SYSTEM COMPONENTS



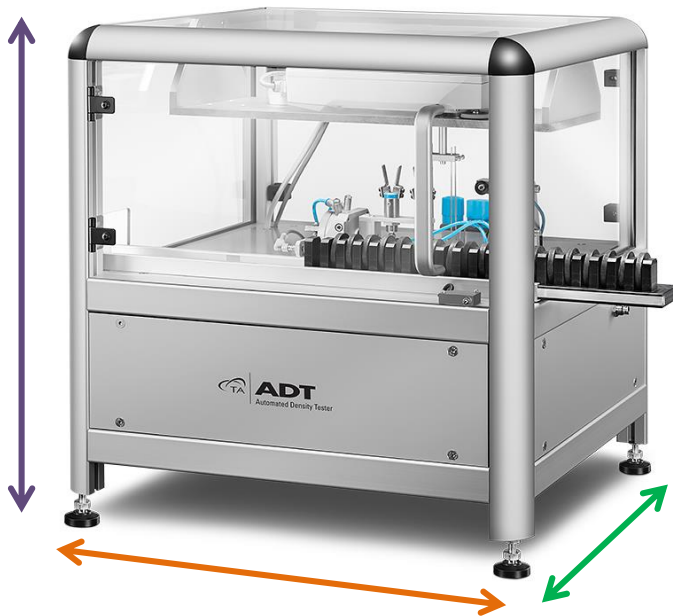
**A. Computer (Controller)**

**B. Instrument**

# Instrument Measurements



## MAIN INSTRUMENT



Height: 61 cm (24 in)

Width: 60 cm (24 in)

Depth: 68 cm (27 in)

Weight: 55 kg (120 lbs)

# Utility Requirements



## POWER



### Instrument

- 120 V or 220 V, 16.0 A max, 50/60 Hz

### Computer

- 120 V (US) or 220–240 V, 6.4 A max, 50/60 Hz

### Power cords provided

- Instrument (US): NEMA 5-15 with C19 connection
- Instrument (EU): European with C19 connection



NEMA 5-15 with  
C19 connection



European with C19  
connection



**Use power cords with plugs appropriate  
for your circuit!**



Supply voltages lower than indicated may result in a degradation of performance.



Ensure that the mains assigned do not also supply power to noise generating equipment nearby, such as motors, welders, transformers, etc.



An independent heavy GROUND wire must be provided through the power hookup. Improper grounding may cause severe damage for which the supplier will not accept responsibility. All power strips must be fully grounded and carry the ground through to the sockets into which the computer is plugged.

# Utility Requirements



## GAS



### Requirements

Conditions	<ul style="list-style-type: none"><li>• Must be free from oil and residual moisture</li><li>• Dry</li><li>• Compressed air</li></ul>
Inlet Pressure	<ul style="list-style-type: none"><li>• 60 psig (4.5 bar) minimum</li><li>• 120 psig (8 bar) maximum</li></ul>



Improperly regulated, pulsating, or poor quality purge gas may cause irregular or erratic instrument operation. Containment of exhaust is recommended if noxious or poisonous gases are released by sample when heated. Venting inert gases into small rooms may reduce the oxygen content of the air and become hazardous to personnel.

# Computer Requirements



## HARDWARE REQUIREMENTS

Description	1 User License	Server License*
Processor	Intel® Core™ 2 Duo (900 MHz)	Dual Xeon 3GHz
Memory	≥ 1 GB RAM	≥ 8 GB RAM
Hard drive Hard disk drive	≥ 20 GB free space 1 GB min. for hard disk drive	Minimum 50GB free memory space and 50GB for backup
CD-ROM/DVD	≥ 48x CD-ROM or DVD	
LAN ports	Minimum of 2 ports/cards available	1 NIC 100MBPS
Screen	VGA monitor	
Access	Full Administrative rights during installation	

\*Customer **MUST** inform TA Instruments of the number of users that will operate the software.



## SOFTWARE REQUIREMENTS

Item	Requirement
Operating System	32-bit or 64-bit version of Windows 7
Internet	Required during installation. <b>Internet connection is <u>strongly</u> recommended for ongoing support after installation.</b>
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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