

# Diagnostix™ ADSTATION™

Modular Diagnostic System

## Instruction Manual



Questions?  
Call ADC toll free:  
1-800-232-2670



## 1. A SPECIAL THANK YOU

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Congratulations on your purchase of an ADC® Diagnostix™ Adstation™.

ADC® professional diagnostic products are the instruments of choice where accuracy and dependability are critical.

With proper use and care these physical exam and non-invasive diagnostic instruments will provide many years of dependable service.

Read this booklet thoroughly before attempting to use your new ADC® Diagnostix™ Adstation™.

## 2. INTRODUCTION - INTENDED USE

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This manual is for the Diagnostix™ Adstation™. The wall instrument described in these instructions, is manufactured for use with various ADC® instrument heads and modular components for non-invasive diagnostics and physical exams.

To learn more, visit our website at: [www.adctoday.com](http://www.adctoday.com).

## 3. WARNINGS AND PRECAUTIONS

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You have purchased a high quality ADC® wall instrument, which has been manufactured to the highest global standards and is subjected to rigorous quality control.

Read these instructions for use carefully before putting the unit into operation and keep them in a safe place.

If you have any questions, call our toll-free number or visit our website. Our contact information can be found on the last page of this booklet.

Please note that all instruments described in these instructions for use are only to be used by suitably trained personnel.

The performance and efficiency of this instrument is only guaranteed when original parts and accessories from ADC are used.

**Attention: There may be a risk of gases igniting when the instrument is used in the presence of flammable or combustible gases. Working in areas with good ventilation is recommended.**

Never attempt to take the instrument apart!

There is a danger of **life-threatening** electrical shock.

Unplug the instrument before cleaning or when disinfecting.

**Warning:** The device contains sensitive electronic components. Avoid strong electrical or electromagnetic fields in the direct vicinity of the device (e.g., mobile telephones, microwave ovens). This can lead to temporary impairment of the ADC®

Diagnostix™ Adstation™ devices.

**Warning:** Do not use batteries, electrical cords other than those included with this product or replacement parts supplied by the manufacturer.

**Warning:** This product may contain a chemical known to the state of California to cause cancer, birth defects, or other reproductive harm.

**Caution:** The standard material used is latex-free.

**Attention:** Some wall systems may include up to 3 additional extension modules. Take care that the connecting cable does not get caught behind the extension module. Push the connecting cable into the groove provided on the reverse side of the extension module.

## 4. ATTACHMENT

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### a.) Wall Mounting

If mounting to the wall, use enclosed mounting template.

### b.) Attaching the Wall Mounting Plates

If mounting to wall studs, use wood screws only. If mounting between studs, use the enclosed mollies.

Take the wall mounting plate and hold it onto the wall so that the screws can be pushed through the holes of the mounting plate into the mollies.

Screw in the screws with a screwdriver, as far as they will go.

If the optional wallboard is purchased, the mounting plates come pre-attached.

### c.) Attachment of the ADC® Diagnostix™ Adstation™

When all screws have been screwed in tightly, take the ADC® Diagnostix™ Adstation™ and guide the screw heads through the openings (1). Then press the ADC® Diagnostix™ Adstation™ downwards until it snaps into place. (See illustration on page 7).

### d.) Attachment of the Extension Module (If Included)

In order to add additional extension modules, they must be electrically joined with the transformer station before mounting it on the wall.

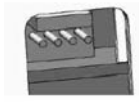
Using the enclosed module connection cable, plug one side of the connector into the socket on the transformer module located on the right side transformer panel.

Plug the opposite end into the extension module contact, located on the left side panel.

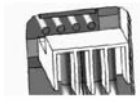
**CAUTION:** Make sure when plugging the connecting cable, that the 4 contacts of the socket strip are positively connected to the 4 contacts of the pin strip.



1.



2.



3.

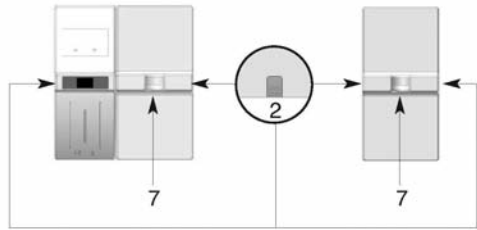
Tuck excess wiring into each extension to ensure a close side-by-side fit to each extension module.

Take the extension module and guide the screw heads through the openings (1). Then press the extension module downwards. (See illustration).

### Attention:

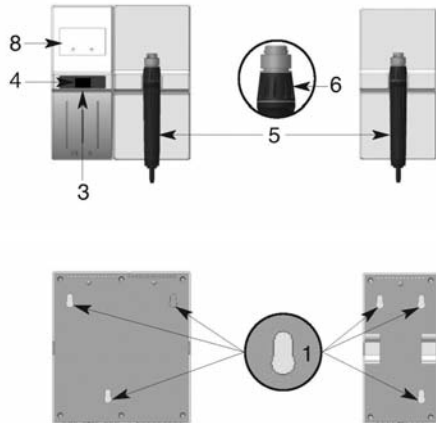
Take care that the connecting cable does not get caught behind the extension module. Push the connecting cable into the groove provided on the reverse side of the extension module.

Repeat for any additional extension modules (up to 3) you may have purchased.



## 5. OPERATION AND FUNCTION:

Plug device into electrical outlet. Move the handle (5) upwards out of the cradle (7) and attach the desired instrument head by placing it with the two projecting guide cams onto the handle. Press the instrument head lightly onto the handle and turn the handle in a clockwise direction until it stops. Removal of the instrument head is carried out by turning in a counter-clockwise direction.



## 6. LOCKING INSTRUMENT HEADS:

Instrument heads are equipped with a security feature. Use enclosed allen key to lock head onto power handle. To secure, insert hex key into slot on head and tighten by turning clockwise. Do not over-tighten. Keep the hex key in a convenient place in case the head must be removed for cleaning or service.

## 7. SWITCHING ON AND OFF:

Switch on the wall system by using the rocker switch (3). The green control lamp (4)

in the rocker switch (3) indicates that the instrument is ready to use. Each handle (5) is automatically ready to operate at 100% light intensity as soon as it is taken out of the cradle (7). The handle automatically switches off when replaced back into the cradle (7).

## **7.1. LIGHT INTENSITY MODULATION**

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The modulation of light intensity can be done with the handle; twist the switching ring in a clockwise or counter-clockwise direction and the light will get stronger or weaker.

### **Attention!**

The handle switches off automatically after about 2 minutes. Make sure that no more than 3 handles are used at the same time! If more than 3 handles are used at the same time, the transformer in the instrument may become overloaded and switch itself off.

## **8. CLEANING AND DISINFECTION**

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The ADC® Diagnostix™ Adstation™ with extension module can be cleaned externally with a moist cloth. Furthermore, it can also be disinfected from the outside.

Aldehyde (formaldehyde, glutaraldehyde, aldehyde derivatives), surfactants or alcohol may be used.

Refer to disinfectant manufacturers instructions for use.

Always use a soft lint free cloth or cotton swabs to prevent damage to your ADC® Diagnostix™ Adstation™.

### **Attention!**

We recommend unplugging the instrument before cleaning or disinfection.

Take care while cleaning and disinfecting that no liquid enters inside the instrument!

### **Sterilization**

















According to the Test Centre for Medical Devices in Tübingen, Germany, sterilization is only prescribed in the case of operative procedures.

## 9. TECHNICAL SPECIFICATIONS

<b>Model:</b>	5660T ADC® Diagnostix™ Adstation™ Transformer
<b>Voltage:</b>	120V~/50-60 Hz* (U.S.A.) 230V~/50-60 Hz (Europe)
<b>Input:</b>	22 VA
<b>Output:</b>	1 x 3,5V--- / 2 x 12V
<b>Output Current:</b>	1 x 700mA / 2 x 1000mA
<b>Fuse:</b>	2 x T 160 mA
<b>Classification:</b>	Application part type B
<b>Operating Temperature:</b>	32°F-104°F (0° C to + 40° C)
<b>Storage Temperature:</b>	23°F-122°F (-5° C to + 50° C) up to 85 % relative humidity
<b>Dimensions:</b>	
<b>Diagnostic Station:</b>	7.88" x 7.12" x 2.95" (200 x 180.5 x 75 mm)
<b>Extension Module:</b>	7.88" x 3.94" x 2.95" (200 x 100 x 75 mm)
<b>Weight Diagnostic Sta.:</b>	3.2 lbs (1450 g)
<b>Weight Exten. Module:</b>	1.08 lbs (490 g)
<b>Switch-On Time:</b>	ON: 1 Min OFF: 5 Min

\* only UL 60601-1 CAN/CSA C 22.2 No.601.01

## 10. ELECTROMAGNETIC COMPATABILITY

Symbol	Definition	Symbol	Definition
	Important Warning/Caution		Authorized European Representative's Information
	Latex-Free		Manufacturer's Information
	Instruments of protective class II		Temperature Limit
	Conforms to EU Standards		Humidity Limitation
	Function earth		Direct Current
	Protective grounding connection		Medical Equipment - with respect to electrical shock, fire and mechanical hazards only in accordance with UL 60601-1/CAN/CSA C22.2 No. 601.1 BTCH
	Application part type B		On
	Alternating current		OFF

## 11. WARRANTY

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This Diagnostix™ Adstation™ transformer and extension modules are warranted for 5 years from date of purchase. Instruments heads are warranted for 2 years. The warranty does not apply to damage caused by improper handling, accidents, improper use, or alterations made to the instrument by third parties. The warranty is only valid after the product is registered online at [www.adctoday.com](http://www.adctoday.com).

## 12. QUALITY STANDARDS

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### **Electromagnetic compatibility:**

Device fulfills the stipulations of the International standard IEC60601-1-2

## 13. HOW TO CONTACT US

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To Register Your Product, visit us at  
**[www.adctoday.com](http://www.adctoday.com)**  
and follow the links

FOR QUESTIONS, COMMENTS, OR SUGGESTIONS  
CALL TOLL FREE:  
**1-800-ADC-2670**



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