

Thermo Scientific
SlideMate AS
Operator Guide
A83910100 Issue 1



Company Information

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This instrument conforms to the essential requirements of:

Low Voltage Directive 2006/95/EC.

EMC Directive 2004/108/EC

RoHS Directive 2011/65/EU

Symbols

The following symbols and conventions may be used throughout this document and on the instrument:



This symbol is used on the equipment, or in a document, to indicate that instructions must be followed for safe and correct operation. If this symbol appears on the instrument, always refer to the operator guide.



This symbol is used on the equipment, or in a document, to indicate that harmful chemicals are used. Refer to the Material Safety Data Sheets for the chemicals used. Always act with common sense and be aware of local laboratory procedures. Take suitable precautions.



Manufacturer.

A warning is given in the documentation if there is a danger of personal injury or damage to the equipment or samples.

Note

Notes give additional information about a job or instruction, but do not form part of the instruction.

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Safety Information

Introduction

Pyramid Innovation Ltd products are designed for convenient and reliable service; however, incorrect actions by a user may damage the equipment, or cause a hazard to health.

The following sections contain important information for the safe setup and use of the instrument.



The following sections contain important information for the safe setup and use of the instrument, and should be read and understood by the user before using the instrument.

General Safety



This instrument, as supplied, conforms to IEC 61010-1; however, the addition of chemicals introduces potential hazards. Good Laboratory Practice must be employed and consideration must be given to the potential for hazard when dealing with these chemicals.



Do not remove any panels or access covers, unless specifically instructed to do so. The instrument does not have any user serviceable parts. Potentially lethal voltages are present inside the instrument.

The instrument must be positioned such that it is possible to interrupt the Mains supply at the source by removing the plug from the socket.

Use only factory approved accessories or replacement parts within the instrument.

Position the instrument such that it is possible to interrupt the Mains supply at the source by removing the plug from the socket.

If the equipment is used in a manner not specified by Thermo Fisher Scientific, the protection offered by the equipment may be impaired.

- All users must have read and understood the Operator Guide and these safety instructions; and only operate the unit in accordance with the instructions.
- Any problems and queries should be referred to your Pyramid Innovation supplier.
- Correct maintenance procedures are essential for consistent performance. It is recommended that a Maintenance Contract is taken out with our Service Department.
- Any maintenance or service work required may only be carried out by trained personnel.
- The instrument should be placed on a suitable level surface and not in direct sunlight.
- Only use cleaning agents recommended in the Operator Guide

Chemical Safety

The introduction of chemicals creates potential hazards. Thermo Fisher Scientific has adopted the following position with regard to the subject of volatile chemicals used in laboratories:



- Do not use harmful chemicals or solvents to clean the instrument.
- The operator is fully aware of the contents of the specification documents detailing the properties of the chemicals they are using.
- The operator has carried out any legally required assessment of chemicals used and is using good laboratory practice.

Environment

This instrument is required to comply with the European Union's Waste Electrical and Electronic Equipment (WEEE) Directive 2002/96/EC. It is marked with the following symbol:



At the end of the product life it must be recycled in accordance with local regulations. It can be returned to a Municipal Collection Facility or to the retailer when a replacement is purchased. Where applicable this facility will be offered by the Product dealer.

Further information on Pyramid Innovation's compliance with these Directives, the recyclers in your country, and information on Pyramid Innovation products which may assist the detection of substances subject to the RoHS Directive are available from your distributor.

Warranty Statement

Thermo Fisher Scientific is proud of their quality, reliability and of our after-sales service. We continuously strive to improve our service to our customers.

Please ask your distributor or Thermo Fisher Scientific representative about service contracts which can help maintain your instrument in an optimal operating condition.

Warranty provisions necessarily vary to comply with differences in national and regional legislation. Specific details can be found in the delivery documentation or from your dealer or representative.

Please note that your warranty may be invalidated if:

- This instrument is modified in any way, or not used as intended by Thermo Fisher Scientific.
- Accessories and reagents which have not been approved by Thermo Fisher Scientific are used.
- The instrument is not operated or maintained in accordance with instructions.

How to use this Guide

Introduction

The printer is designed to print directly onto laboratory glass slides with colour frosted writing patches. The operator is responsible for ensuring the accuracy of the information printed.



Using slides other than the ones recommended may cause irrevocable damage to the instrument. Please see Appendix C for a list of recommended slides.

Chapter 1 - Introducing SlideMate AS

This chapter gives a tour of the instrument and its features. It describes the different parts of the instrument and gives general information with regards to interfacing with the SlideMate AS.

Chapter 2 - Installation and Setup

This chapter is a step-by-step guide to installing and setting up SlideMate AS and its accessories.

Chapter 3 - Basic Operation

This chapter explains the basic operating techniques required to perform routine tasks and use SlideMate AS on a day-to-day basis.

Chapter 4 - Advanced Operation

This chapter is intended to help operators with some of the more advanced functions on the SlideMate AS.

Chapter 5 - Troubleshooting

This chapter is intended to help operators identify and cure common faults.

Chapter 6 - Cleaning and Maintenance

This chapter lists the cleaning schedules which should be followed to ensure safe and reliable operation.

Chapter 1 – Introducing SlideMate AS

Introduction

The printer is designed to print slides on-demand. The display shows you what will be printed.

To print a slide you drop it into the opening in the black plastic guide on the top of the printer.

- The writing surface should be at the top facing forward.
- Once you have the bottom of the slide in the guide let it drop into the printer.
- If the printer is printing the guide will be closed. Do not force the slide or you will damage the printer.



The built in software enables you to:

- Print individual slides.
- Create and print sequences of slides.
- Edit slide data.
- Change the template used to print slides.
- Design your own templates using different fonts and barcode types.
- Set fields to automatically increment.
- Setup templates to accept data from scanned barcodes or LIS input.
- Edit and delete slides within a sequence of slides.
- Print individual slides within a sequence of slides.
- Save a sequence of slides as a Protocol to be used again.

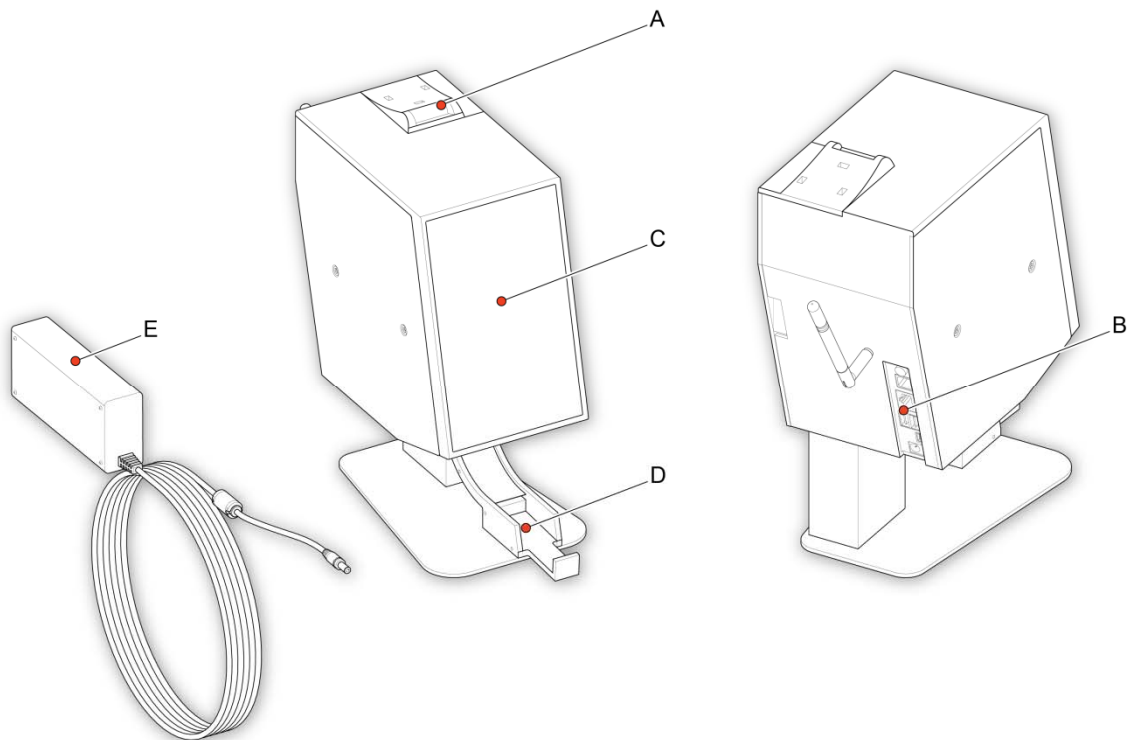
Slide Delivery System

- Holds 72 slides.
- Replaces the Input Guide on the top of the printer.



Identification of Parts

The following diagrams identify the different components of the PrintMate AS.



- A Slide Input Guide
- B Connections and Power Input
- C Touch Display
- D Slide Connection Tray
- E Mains Adaptor

System Specifications

Mechanical Specifications

Height	295mm
Width	140mm
Depth	200mm
Weight	3.78Kg

Electrical Specification

Voltage	24V DC
Current	1.5A

Environmental Specification

Warning - For indoor use only	
Temperature (Operating Limits)	5 °C to 40 °C
Temperature (Recommended Operation)	+15 °C to +30 °C (+59 °F to +86 °F) Performance may deteriorate if operated outside recommended range.
Temperature (Storage)	-25 °C to +45 °C (-13 °F to 113 °F) Short period only
Relative Humidity	Max. 80% RH up to 31°C Decreasing linearly to 50% RH at 40°C
Altitude	2000m
Pollution Degree	Level 2
Over Voltage Category	II

Print Specifications

Print Resolution	300 dpi
Print Speed	3-5 seconds typical (full area print)
Slide Tolerances	76.0mm – 76.2mm x 25.55mm – 26.00mm x 1.00mm – 1.20mm

Chapter 2 – Installation and Setup

Installation and Setup

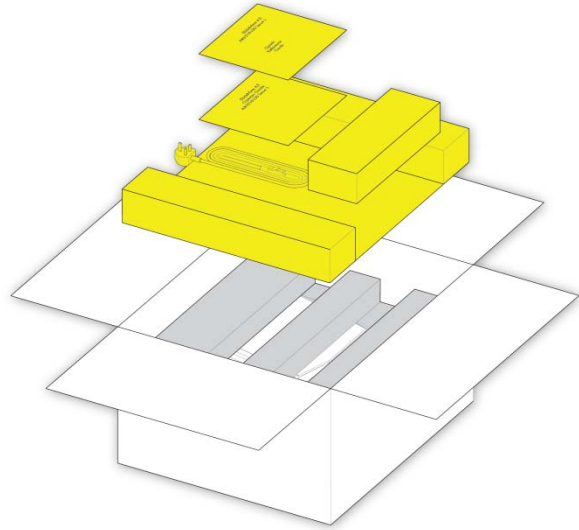
This chapter describes the installation and setup procedures for SlideMate AS and covers the following subjects:

- [Unpacking the SlideMate AS.](#)
- [Locating the SlideMate AS.](#)
- [Electrical Connections and Start Up Procedure.](#)
- [Setting up the SlideMate AS.](#)

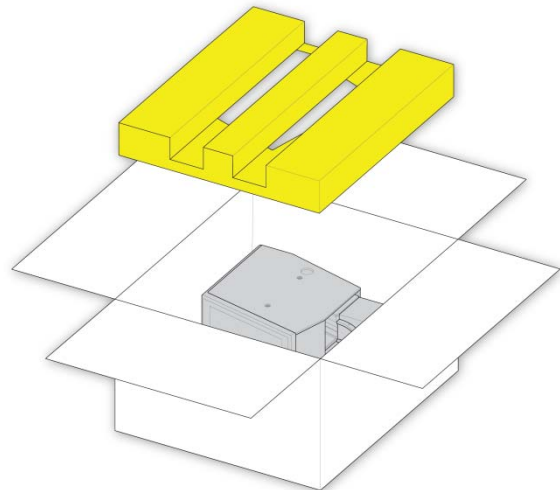
Unpacking

To unpack the SlideMate AS:

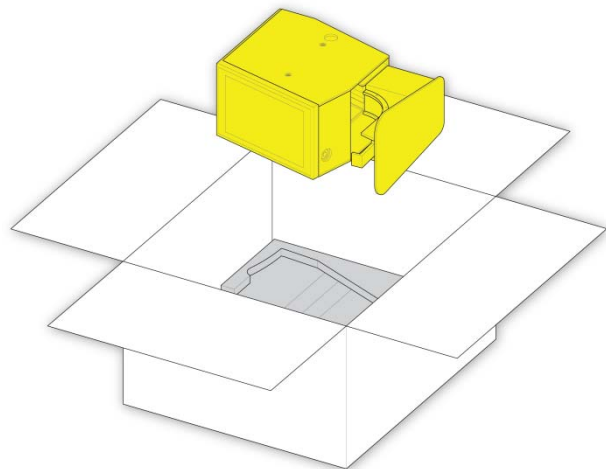
- Remove the accessories from the top of the packaging inside the box.



- Remove the upper inner packaging from the box.



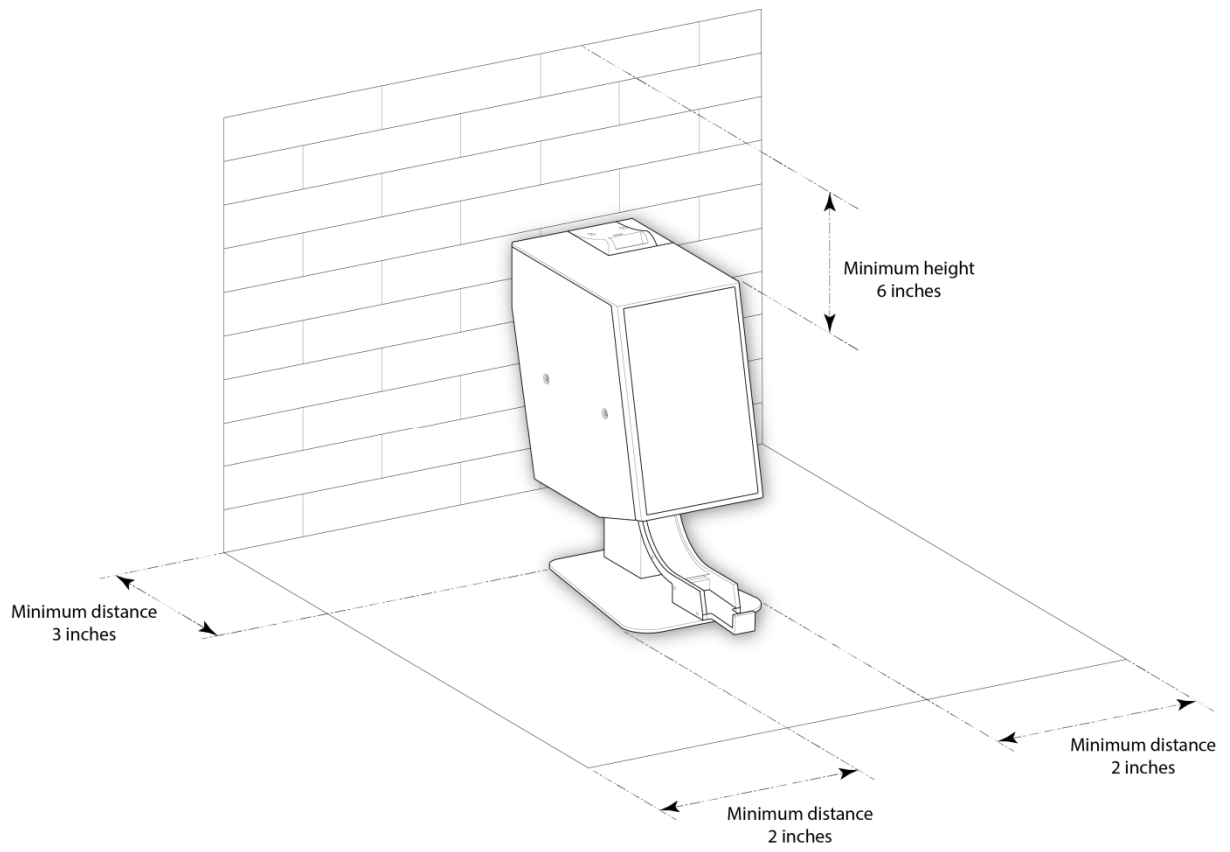
- Gently lift the instrument out of the packaging and carefully put it on a flat level surface.



Note

Make sure you retain all the packaging including the inner packaging.

Locating the SlideMate AS



Electrical Connections and Start-Up Procedure

Once you have unpacked your SlideMate AS and located it in the correct position within your laboratory, you need to ensure the connections to instrument are setup correctly. Carry out the following:

- Connect the appropriate mains power lead to the power adaptor.
- Plug the round 24V plug into the power socket at the back of the printer.
- Plug the mains lead into the wall socket; this powers up SlideMate AS.

Note






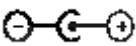
To reset the printer press the power button on the back of the printer.

- Wait for the printer to run through its initialization process which checks that the internal mechanism is operating correctly.

Back Panel and Connections

At the rear of the instrument are a number of connections including the 24V DC power adaptor.

Signal connections suitable only for connection to equipment meeting the requirements of clause 6.3 of IEC 61010-1 or the SELV requirements of IEC 60950-1, 2014.

	On / Off button	Press and hold for 5 seconds to turn the printer off. Press to turn the printer on.
	USB to PC	Used to connect the printer to a PC running the Windows driver or the Gateway application.
	Network	Used to connect the printer to a PC running the Gateway or the Hub (printer manager).
	2 x USB	USB 2 ports used to connect external keyboard or USB drive.
	Accessory Interface	Used to connect to printer controlled accessories.
	24V DC	Only connect the supplied or specified 24v power adaptor.

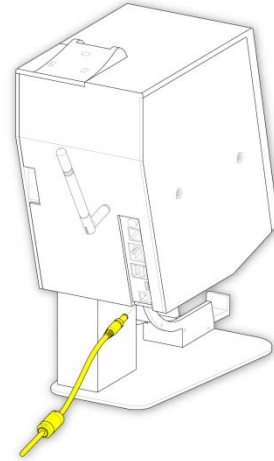
Setting up SlideMate AS

Once you have unpacked the SlideMate AS and position it in the correct location, connect it up to an Ethernet cable or a USB cable.

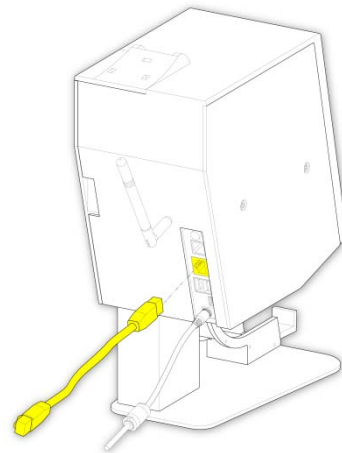
Note

The use of an Ethernet cable or USB cable is optional. The instrument can be used as a stand alone.

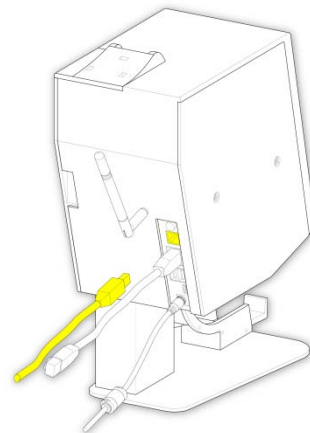
- Connect the power lead to the rear of the instrument.



- Connect the Ethernet cable to the correct port of the rear of the SlideMate AS. Connect the other of the cable to the Hub.



- Connect the USB Lead to the rear of the SlideMate AS. Connect the other end of the USB lead to a PC or Laptop.

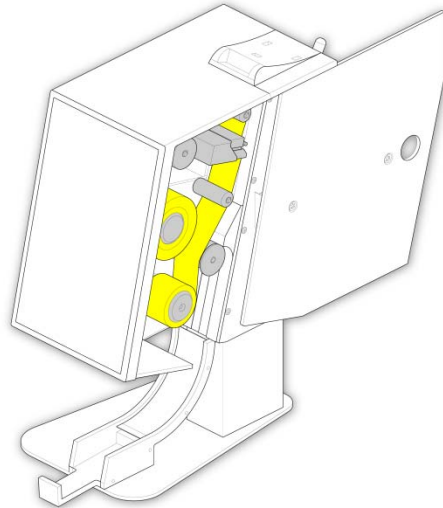


Changing the Thermal Transfer Ribbon

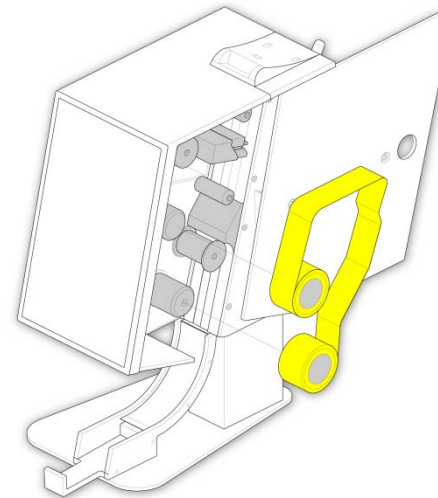
Removing the Thermal Transfer Ribbon

Once the instrument has used all the Thermal Transfer Ribbon and filled the Collection Spool, carry out the following instructions to remove:

- Open the sliding door.



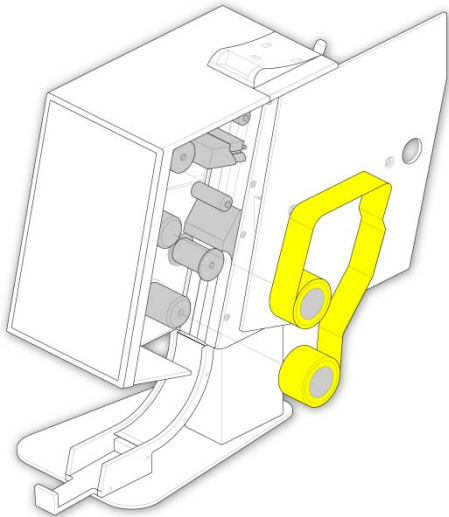
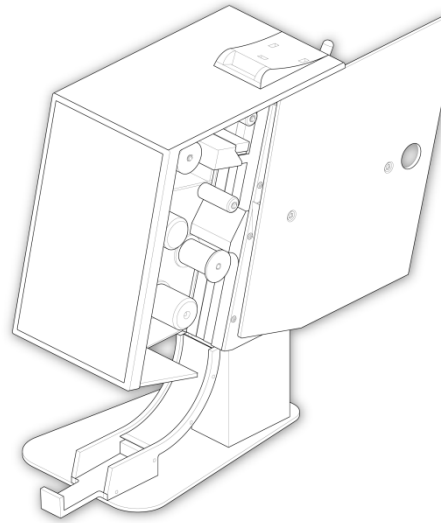
- Unhook the remaining tape from the around each of the spools and remove the collection spool and supply spool from the instrument.



Fitting the Thermal Transfer Ribbon Roll

In order to fit the Thermal Transfer Ribbon, carry out the following instructions:

- Slide open the side door to access the spools inside the instrument.

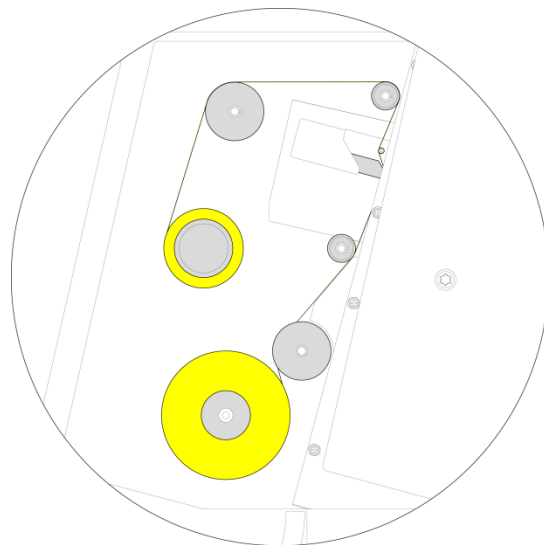


- Fit the Supply Spool onto the instrument using the clear lead attached on the roll.

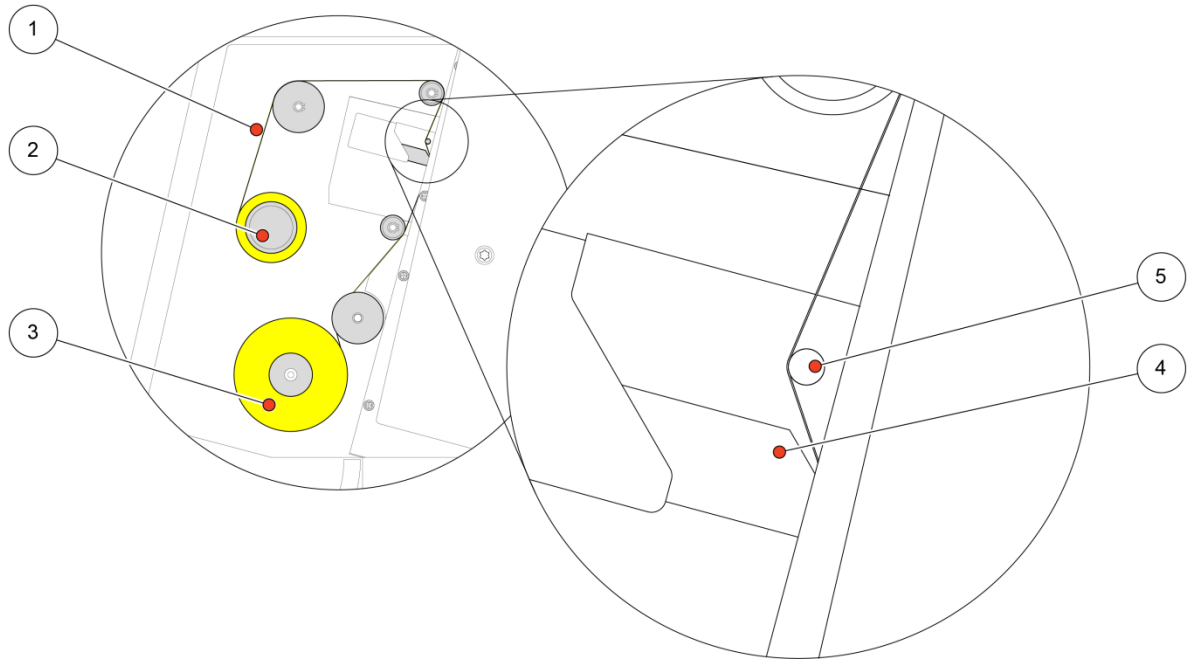
- Feed the ribbon through the instrument ensuring that the tape is fitted in the correct position over every spool. Fix the ribbon to the collection spool using tape.

Note

When you fit the tape do not forget to fit the tape over the Tape Guide Pin near the Print Head. Remove the clear leader from the roll prior to affixing the ribbon to the spool. Set the leader aside for reloading tape mid-roll if necessary.



SlideMate AS Operator Guide



1	Tape Matt Side	4	Print Head
2	Collection Spool	5	Tape Guide Pin
3	Supply Spool		

Printer Status Indication

The top bar of the display shows the printer status.



Ready Printer is ready to print slides



Busy The printer is printing a slide



Offline The user is in printer setup and the printer is offline.

Registration Procedure

Once the SlideMate AS is located and setup correctly, you will need to register the product to complete the warrantee registration.

Once the printer setup is complete, the warrantee registration page will be displayed.

- Enter the Authorisation code and press the tick button.

Note

If you do not have the authorisation code, go to the following web page and enter your contact and product information. www.thermo-ap.com/slidemate/registration.aspx.

- To skip the registration process, press the X button on the screen.

Note

The printer can only be used to print up to 100 slides without registration after which the option to skip registration will no longer be available.

The printer is supplied with demonstration templates which can be edited by touching the white label on the slide image.

IQOQ Print Test Slide

The first time the printer is run it is important to run the IQOQ test.

Press the settings button and then enter the password if prompted.

- From the settings menu press the Printer Button.



- Then press the IQOQ Test button.



- The printer is ready to print a test slide.
- The printer is ready to print a test slide. Ensure the slide is 76mm x 26mm x 1.0 – 1.2mm with a coloured marking area, preferably white.
- Drop a blank slide into the opening at the top of the printer. The slide orientation should be as shown on the display with the writing surface facing forwards.
- If the slide is not the correct way up the slide will drop through unprinted and you will receive a message saying the slide is upside down. If you put the slide in glass facing forward, the SlideMate AS will try to print then you will have to reprint.



- The printed slide will drop into the collection tray.
- The print quality of the first may not be good as the tape may have moved in transit. If this is the case print another slide.



- Hold the printed slide under the front left corner of the printer so the blue lines of the scanner meet.

- When the barcode has been scanned the display will show OK and automatically save the test results. You only get the correct image when the slides are printing correctly.
- Press the Tick button to the end the IQOQ Test.

Note

The IQOQ Test can be run at anytime.



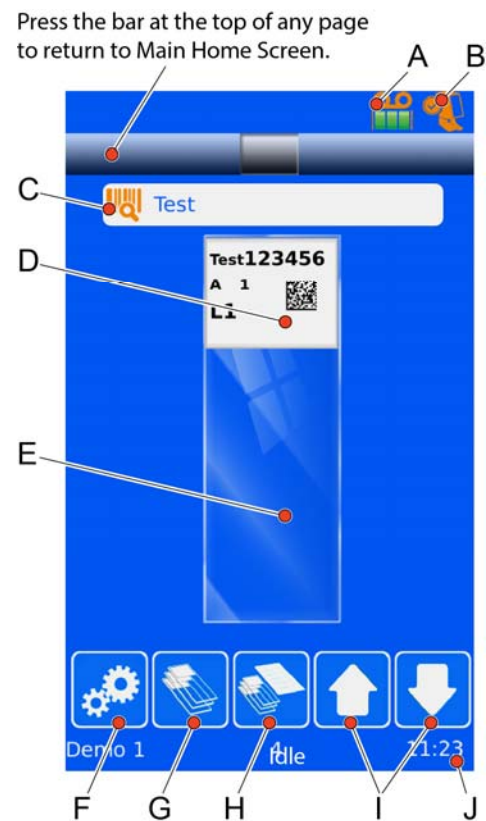
Chapter 3 – Basic Operation

Basic Operation

Main User Interface

The printer is now ready to print slides. The default Template is displayed which has three fields.

A	Tape Level This tells the user how much tape is left before it needs replacing.
B	Printer Status Displays what the current status of the printer is.
C	Scanned Data Shows the information that has been scanned by the printer.
D	Template Shows the data that will be printed on the slide. To edit you touch the middle of the template.
E	Eject Button Pressing the clear part of the slide will initiate a slide eject sequence? If a hopper is attached it will initiate a print sequence.
F	Setup Opens the administration menus
G	Create Sequences See – Creating sequence of slides
H	Open Protocol See – Selecting a protocol and saving a protocol
I	Increment / Decrement The up and down arrows increases and decreases an incremental field.
J	Status Bar Displays status information.



Editing Label Field Data

- From the Main Screen showing the slide that you are going to print, press the print area on the Slide which will then allow you to edit the information shown.



A	Moves from field to field.
B	Allows you to select a template layout for the printed area of the slide.
C	Backspace; removes the last character of the field selected and brings up the keyboard.
D	Moves from field to field.
E	Accepts changes.




- Once you have selected a particular field to change, press the backspace button on the screen previously and the keyboard will appear. This will then allow the user to make changes to that particular field.




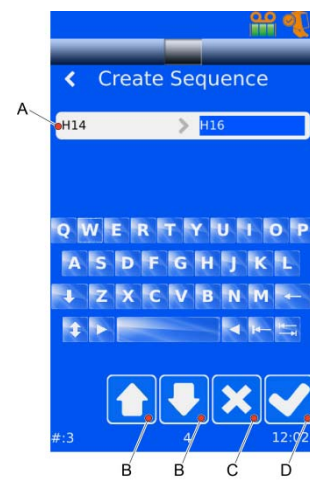
- After making any changes to the appropriate fields, press the checkmark to accept the changes.
- Drop a slide into chute on the instrument and print one slide only to verify if the print is correct.

Creating a Sequence of Slides

- From the Main Screen showing the slide that you are going to print, press . This will then take you to the Create Sequence screen.



A	Press to modify the slide numbers to and from that will appear on the series of slides.
B	Increment up or down the highlighted field of the slide number.
C	Press  to cancel if the changes if they are not required.
D	Press the checkmark to accept the changes.

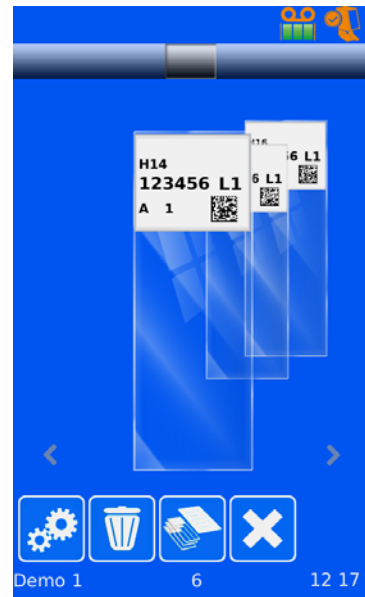



- Once you have selected the amount of slides you want in the sequence you are creating and have made all the relevant changes to the required information on each slide, they will appear on the main screen.
- The sequence can be browsed using the arrows on the screen next to the slides.

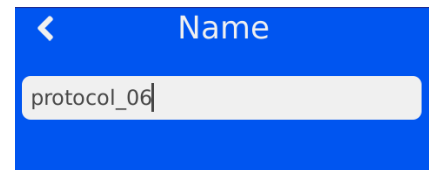



Selecting a Protocol and Saving a Protocol

- Once the sequence has been created, use the < or > arrows to select each field.
- To create a protocol; select the slide and change the field, i.e. Special Stain for that slide.
- Move to the next slide and change the field until all changes are complete.



- Once complete, press .
- Name your protocol then press the checkmark to accept changes.



- Once the protocol has been established, you now have the ability to scan your barcode. Select the protocol by pressing .

Using the Touch Panel

Administration Configuration Menus

- From the main start up screen press the settings button.
- Enter the pass code 7251.

Note

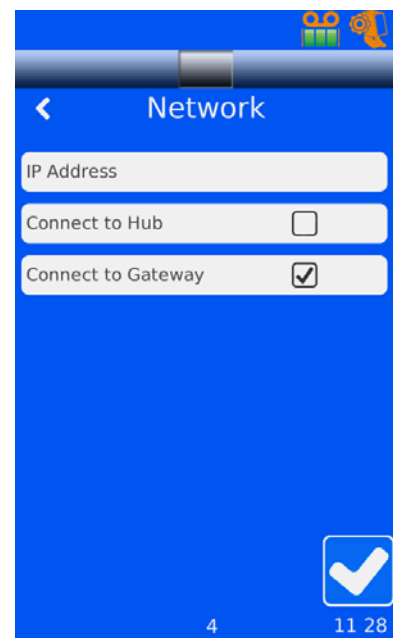
If the password option is not enabled, you can activate in the Printer Section of the Settings Menu.

- Press the tick button.
- The settings menu will then be displayed:



Network

<p>IP Address</p>	<p>This will populate when connected to a network.</p>
<p>Connect to Hub</p>	<p>Select this option to when you want to connect to a Hub.</p>
<p>Connect to Gateway</p>	<p>This allows connection to the Gateway software. This will be used when sending data from a LIS to a cache directory.</p>



Wi-Fi

Note

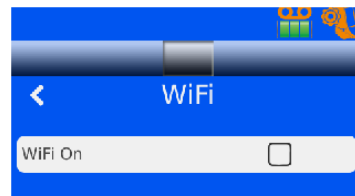
WiFi connection cannot be used if browser approval is necessary.

In order to enable the Wi-Fi function on the instrument:

- From the Settings menu, press the Wi-Fi button.

This then takes you to the Wi-Fi screen

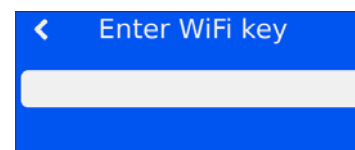
- Check the tick box to enable the Wi-Fi
- The instrument then searches for available Wi-Fi networks.



- Select the appropriate connection, Check the Connection box.



- Enter the Wi-Fi key to connect to the Connection.



- Once connected, the Connection box will be checked.



- Click the tick box to accept and exit the Wi-Fi screen.



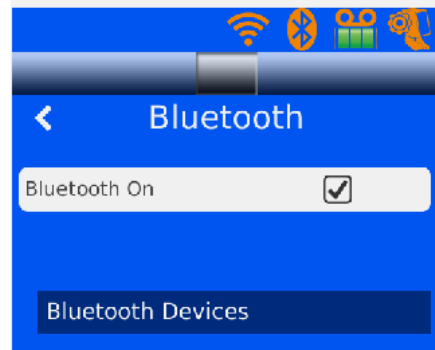
Bluetooth

In order to enable the Bluetooth function on the instrument:

- From the Settings menu, press the Bluetooth button.

This then takes you to the Bluetooth screen.

- Check the tick box to enable the Bluetooth.
- The instrument now searches for suitable Bluetooth networks to connect to.



- Select the appropriate connection, Click on Connect.
- Once connected, the Connection box will check.
- Click the tick box to accept and exit the Wi-Fi screen.



Admin General Menu

The General function lists all the information and instrument settings relating to the SlideMate AS.

About	Version	The current version number of the software loaded on the instrument
	Driver	This is version number of the Driver of the instrument
	Count	This gives the total number of slides the instrument has printed.
	Machine ID	Unique ID number for the instrument

Software	Upgrade	With the upgrade xml file on the USB stick, this function will automatically search for the upgrade.	
	XML	Reset	Resets the instrument to
		Export	Copies all the software XML files to the USB stick
		Import	Imports all the software XML files from the USB stick

International	Language	Select the desired language
	Manage	Update the list of languages and create new languages.

Date & Time	Hour	Allows the user to update the time on the instrument.
	Minute	
	Year	Allows the user to update the date on the instrument.
	Month	
	Day	

Keyboard	To Lower Case	Allows user to be able to select lower case on the keyboard
-----------------	----------------------	---

Display	Screen Grab	Allows user to select to make screen shots of the instrument display.
----------------	--------------------	---

Sound	Volume	Allows user to change volume level.
--------------	---------------	-------------------------------------

Scanner	Pause (10th sec.); slows the scanners reaction to prevent the scanner from scanning a barcode more than once.	
----------------	---	--



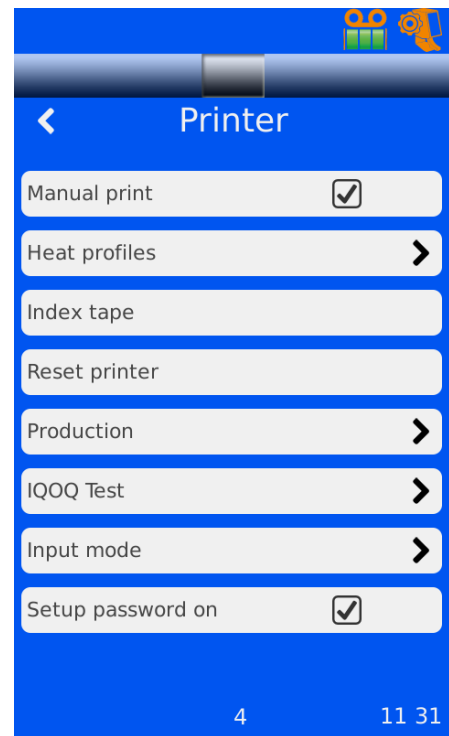
Printer

This function allows you to make changes to the settings regarding the print function of the instrument.

- From the Admin Configuration Menu press the Printer button.

The following screen will be displayed:

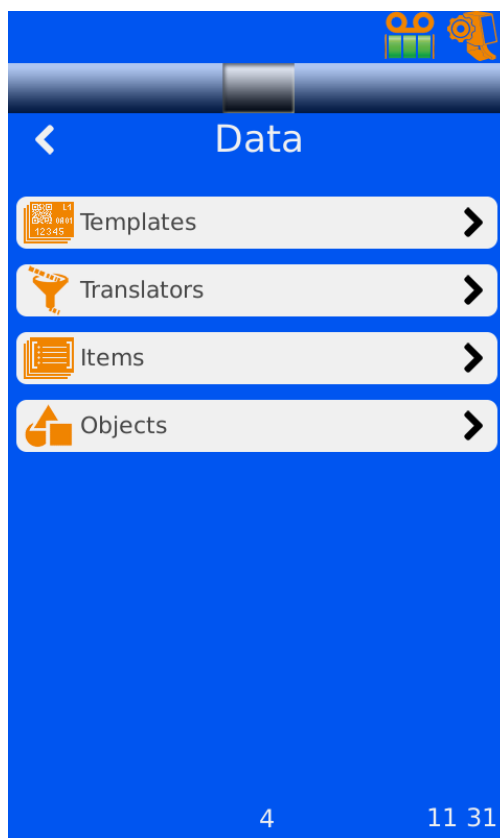
Manual Print	This allows the manual printing of a slide. Press the slide in the middle of the screen once a slide has been placed into the instrument and does not print automatically.
Heat profiles	There are three settings for darkness.
Index Tape	Use this after loading the ribbon to ensure the ribbon is tight.
Reset Printer	Resets the printer to factory settings
Production	This function is for service, a special password is required.
IQQQ Test	Run this test before printing. This verifies the print and the barcode scan ability.
Input Mode	Allows user to select Group settings and Add at Queue Start. Add at queue start will reverse the order of slides printed.
Setup password on	This will force the user to log in with a password.



Data

The Data tab allows the user to configure what information will be shown on the slide once it is printed. You can access this function from the settings menu.

When you click on the Data button the following screen appears:



Templates	The Templates function allows the user to set up and save Templates used when printing information onto slides. Also to select any previously saved templates.
Translators	This function allows the SlideMate AS to scan a cassette and transfer the information into an existing template then print that information onto a slide.
Items	This function allows the user to select which items are to be shown on a particular template. The user can add or remove certain items from each template and also specify where on the printed slide they will appear.
Objects	This function allows you to select the object hierarchy which will dictate the numbering level used in the templates.

It is recommended that you follow the process below:

- Verify that you have the items required for use on the template.
- Configure the Translators if required (both for the scan into the template and the barcode out of the template).
- Setup the Templates.

Object Hierarchy

There can be any number of objects.

For example:

- Request Form
- Tissue Pot
- Cassette
- Slide

The relationship of the objects is parent and child. The Request form is the parent of the Tissue Pot and the Tissue Pot is the parent of the cassettes etc.

The numbering system used to reference these objects is normally well defined.

For example:

- Request Form = Prefix + CaseNo
- Tissue Pot = Prefix + CaseNo + Suffix1
- Cassette = Prefix + CaseNo + Suffix1 + Suffix2
- Slide = Prefix + CaseNo + Suffix1 + Suffix2 + Level

The numbering system will normally uniquely identify each item by adding a suffix or other data element to create a unique reference ID.

The Object hierarchy can be used to filter data coming in from the Gateway.

For example:

- If the LIS does not control the flow of slide data and the user wants to receive slide data from one cassette at a time the Slide and Cassette hierarchy can be setup and used to filter the data.
- The Group option would need to be turned on (Printer menu).
- The Object setup is used to identify objects by their data items. An image can be set for each object type. This image will be displayed where objects are searched or displayed in tracking.

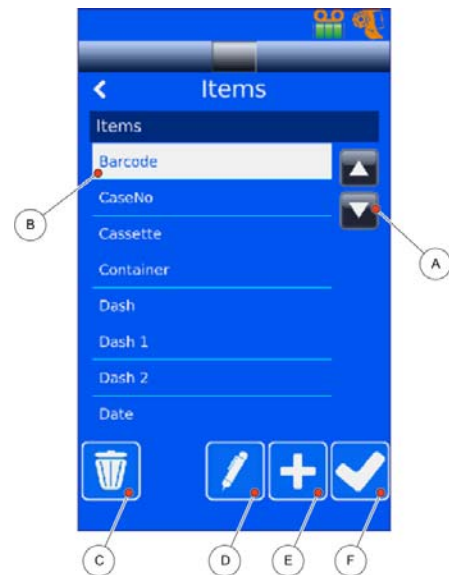
Chapter 4 – Advanced Operation

Items


Adding, Editing and Deleting

Data items are used to store data and display data in templates.

A	Scroll Buttons
B	Selected Item
C	Delete Selected item
D	Edit Selected item
E	Add item
F	Save and Close



Add Data Item

- From the settings menu, after entering the password, Select Data, Items.
- Click the  button to add an item.
- Change the name of the item.

A	Back arrow to return
B	Enter Item name
C	Upper / Lower Case
D	Delete one character
E	Numb & Spec Character
F	Move Cursor
G	Deletes Full Word
H	Cancel Changes
I	Accept Changes



- Press the Checkmark to accept the changes.
- Once you have added and renamed your Item, you then need to configure it.

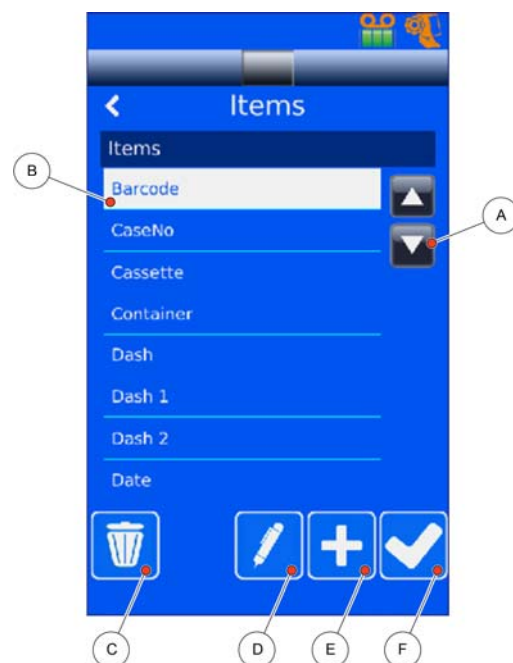
Name	Name of Item specified previously	
Data Type	Text	Alpha / Numeric
	Numeric	Numbers Only
	List	Used when multiple items are required
	Date time	Fixed Field
Character Count	Maximum number of characters for the item	
Default Text	Text that will be displayed in the field as default. Touch to edit	



- Hit Back arrow to return to items screen.
- Press the checkmark to accept changes and go back to the Data Menu.

Editing a Data Item

A	Scroll Buttons
B	Select Item
C	Delete Selected Item
D	Edit Selected Item
E	Add Item
F	Save and Close

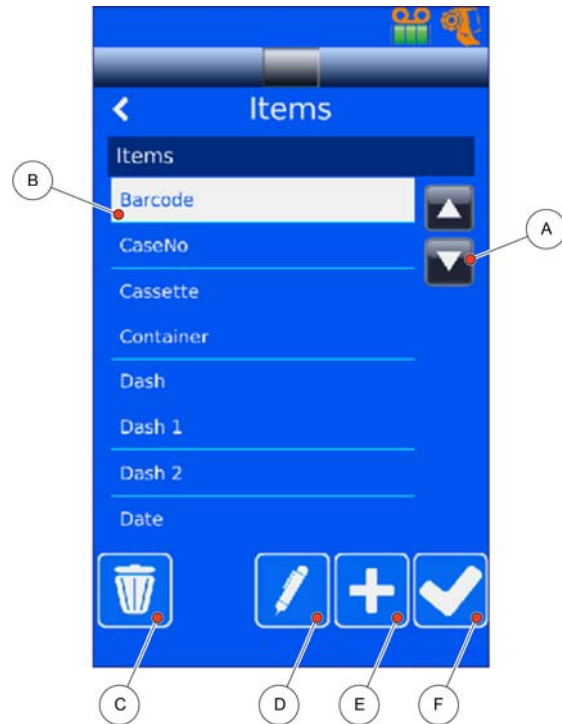


- Highlight the item that you want to edit.

- Press the Edit Selected Item button .

Deleting a Data Item

A	Scroll Buttons
B	Select Item
C	Delete Selected Item
D	Edit Selected Item
E	Add Item
F	Save and Close



- Select the item to be deleted.
- Hit the Garbage Can button.
- If the item is on a template; remove it first before deleting the item.
- Once changes are complete, hit the checkmark or the back arrow to return to menu.

Translators

Translators have two functions:

- The first use is to take a barcode and separate the fields to populate the items on the template.
- The second use is to take the data items and place them into a barcode and print it on the template.


Note

Translators can use multiple delimiters and delimiters made up of multiple characters.

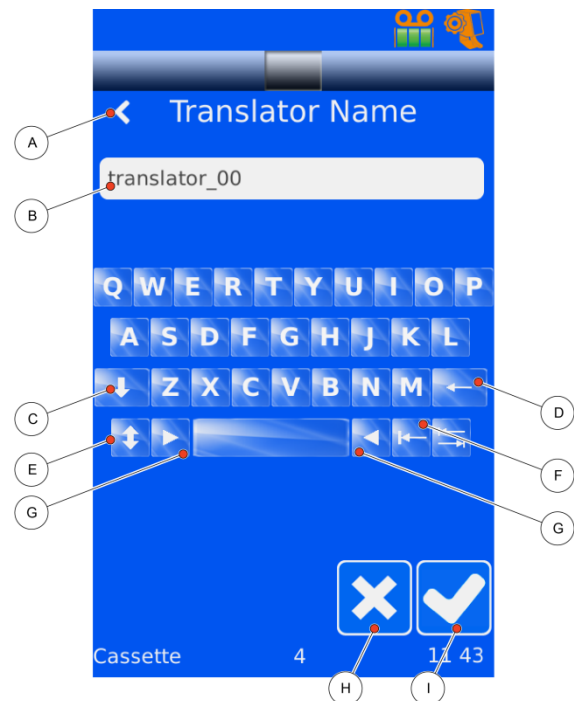
Each Translator can only be used for one function.

Translators for Data Items

To create a translator to populate the data items on a template:

- Press the **Settings**, **Data** then **Translators**.
- Click on the  button.
- Change the name of the translator.

A	Back arrow to return
B	Enter Item name
C	Upper / Lower case
D	Deletes one character
E	Number and Special characters
F	Deletes Full word
G	Moves Cursor
H	Cancel
I	Accepts



- Once you have entered the correct name for the Translator, press the checkmark to accept the changes.

- If scanning a barcode in order to populate a field, hold the barcode under the scanner on the left lower side of the SlideMate AS.





- Or manually enter the date string that will be sent from the LIS through the Cache Directory.



- Press the checkmark to accept changes.

Delimiters

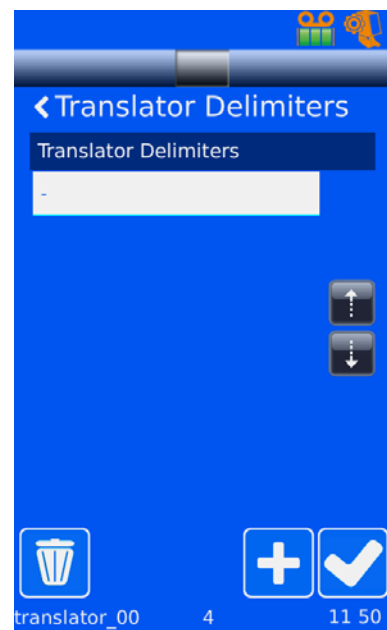
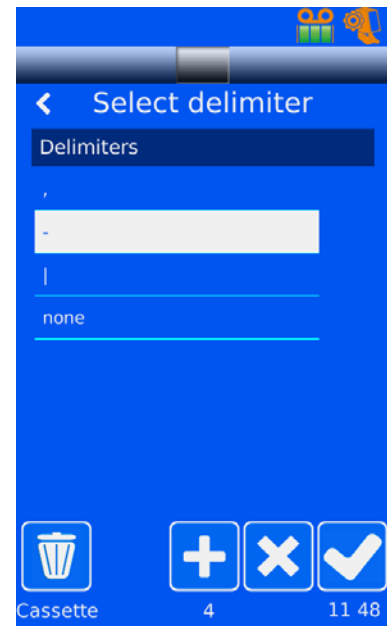
Select the Delimiter and then press the checkmark.

- If the delimiter is not on the list, press .
- Add the delimiter.
- Press the checkmark to accept the changes.
- If multiple Delimiters are required, press  until you have all the necessary delimiters.

Note

The message box 'This will cause loss of all assignments and rules. Continue?' appears. Press Yes to add multiple delimiters.


- Press the checkmark to accept the changes.
- Once the necessary translators are located on this screen, press the checkmark.
- The scroll button allows you move delimiters up and down the list to required location.



Name	Press to change the name of the translator.
Object	This is by default.
Code	Example of Code
Delimiter(s)	Press to verify Delimiters
Item	(Data) assignments



- Data assignment attempts to assign the correct item to the delimited data.

- If it is not correct press Data. Press  to edit and chose the correct item.

- If it is not assigned at all; =(1), press and chose the Item.


- When complete, Press the checkmark to accept the changes.

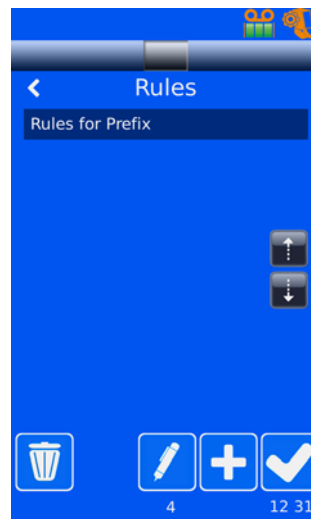


Rules

- Rules can be set based on the data that is to be delimited. E.g. If you want to use this delimiter for the Prefix, highlight Prefix and press Rules.
- The following screen will appear allowing you to either select a desired Rule or to create a new Rule.



- Press  to add a new Rule. You can then name the Rule you are about to create.



- Once you have entered the required name for the new Rule, press the checkmark to accept the changes.

- You are then presented with the information screen for the particular Rule you have just created.


Name	Displays the name of the Rule. Also gives you option to change the name if required.
Test	Determines if a condition exists, i.e. if X=0
Action	The action to take when the test has a positive result. i.e. Location ID to University Hospital.
Enabled	Tick box to enable to Rule.



Translators without Delimiters

- From the Data Screen, press the Translators button.

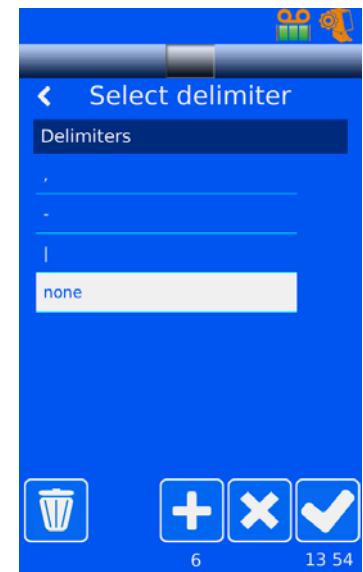


- Press the  button to add a new Translator. Rename the Translator as required.

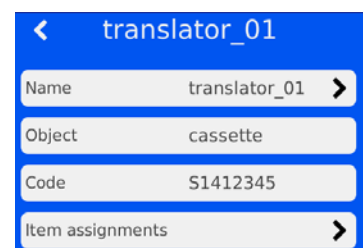
- Enter the code or scan the barcode. Once the code appears on the screen, press the checkmark to accept changes.



- When the Select Delimiter screen appears, select 'None' from the list. Then press the checkmark to accept the change.

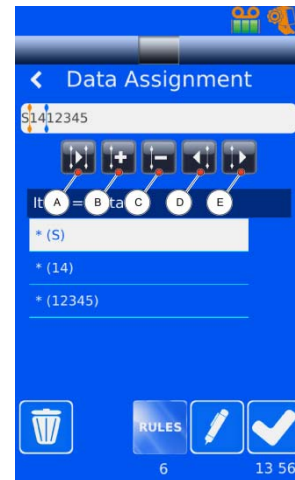



- The translator config screen will then appear. Press the Item Assignments button.

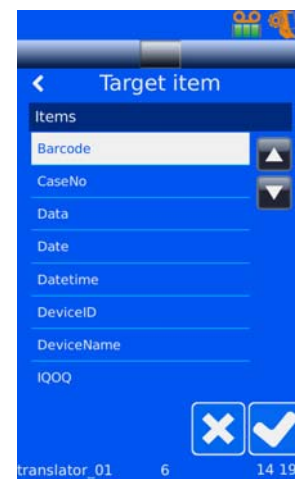


- The Data Assignments screen will then appear. This allows the user to assign the line separators that will allocate the individual parts of the code.

A	Selects Separation Line
B	Adds the Separation Line
C	Removes the Separation Line
D	Moves the Separation Line to the Left
E	Moves the Separation Line to the Right



- Once all the Line Separators are in place in the code, press the edit button, , to select the data Target Item.



- Use the scroll bars to locate the relevant Target Item. Once selected press the checkmark to accept the changes. Do this for each Item.

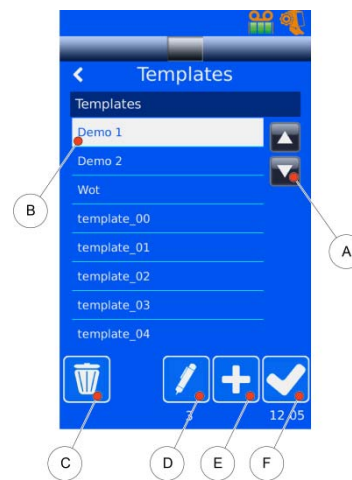


- Once all the Items have been assigned to a Target Item, this is what the finished product will look like.


Templates

Adding, Editing and Deleting

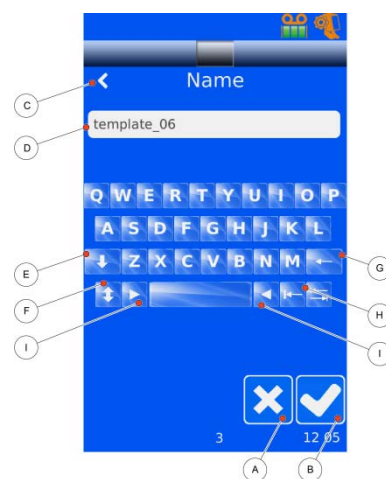
A	Scroll Buttons (if required)
B	Select Item
C	Delete Selected Item
D	Edit Selected item
E	Add Item
F	Save and Close



Add a Template

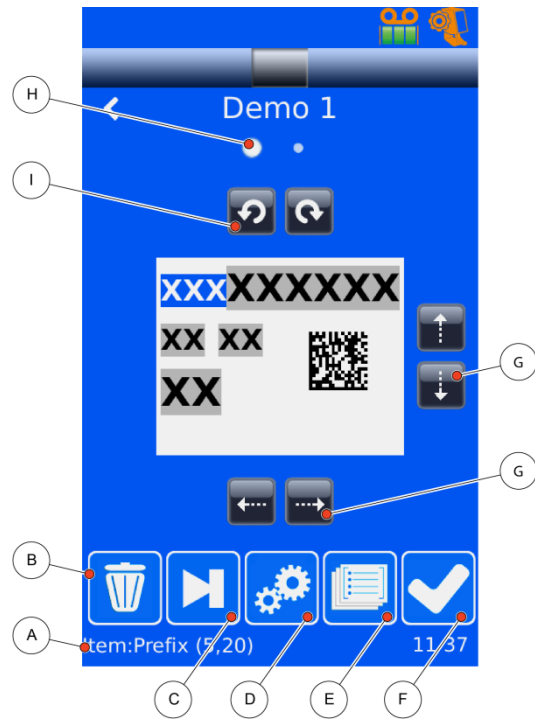
- From the Settings Menu, after entering the Password; Select **Data** then **Templates**.
- Click the  to add a Template.
- Change the name of the Template.

A	Cancel
B	Accept
C	Back Arrow to return
D	Enter Item Name
E	Upper/Lower case
F	Number and Special Characters
G	Deletes one character
H	Deletes full word
I	Move the cursor




- Press the checkmark to accept.
- You are then presented with a message box 'Use Translator?'.
 - Translator is used to populate the data items on the template whilst using a barcode.
 - Translator is also used to populate the data items into the barcode printed on the template.

A	Name of the item selected
B	Delete
C	Moves to next item
D	Template Settings
E	Template Items
F	Accept Changes
G	Move selection on the slide
H	Page Selection
I	Flips the Field

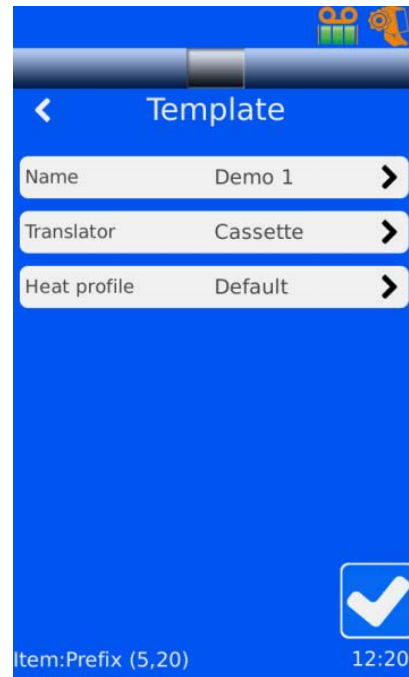


Translator No. Configuration Template


Template Settings

When you press the Template Settings button , the following screen appears:

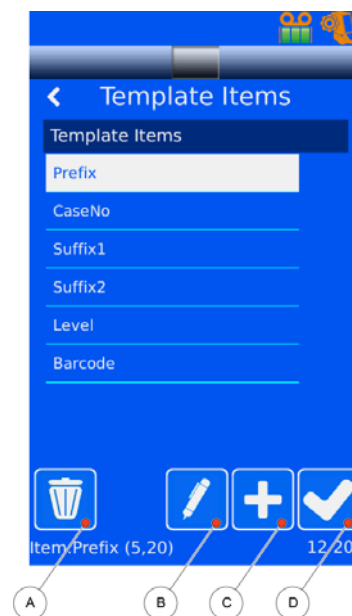
Name	Allows the user to change or edit the name of a particular template.
Translator	Allows the user to scan data from a cassette, slide or IQOQ into the data items
Heat Profile	Allows user to change the darkness of print on a slide.




Template Items

Once you have set up the Template Settings, you need to add the Items that will be displayed on that Template. When you press the Template Items button , the following screen appears:

A	Delete Item
B	Edit Item
C	Add Item
D	Accept Changes



Add Data Items

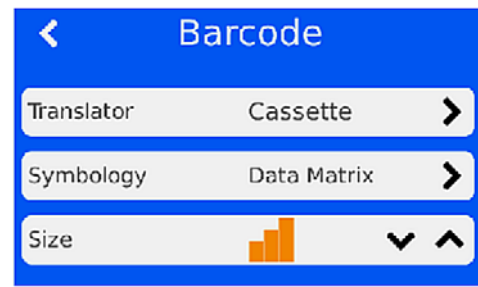
When you press the Template Items button , from the Template Items screen, you can then select which items you want to include. Pressing the Edit Selected Item button allows you to access each individual item:

Show on Template	Makes item visible when printed. If field is required for barcode only and not printed on the template, uncheck.
Normal	If checked, makes item normal and able to be populated with information from the scanner.
Incrementor	Makes item a counter field.
Barcode	Makes the item the container for the data held within the barcode when printed.
User Edit	Open field to type data into.

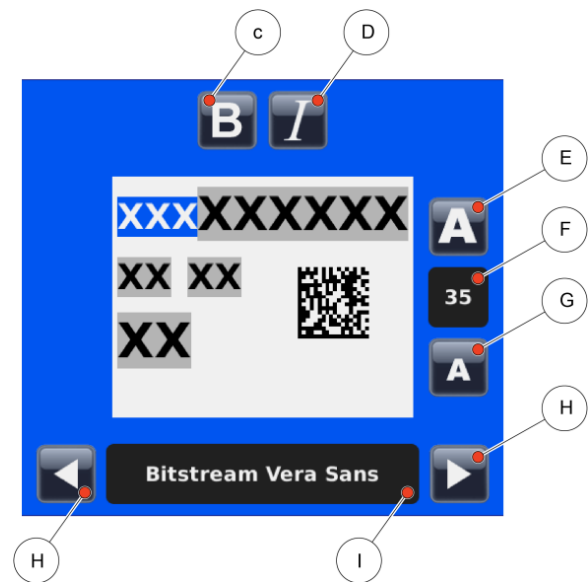
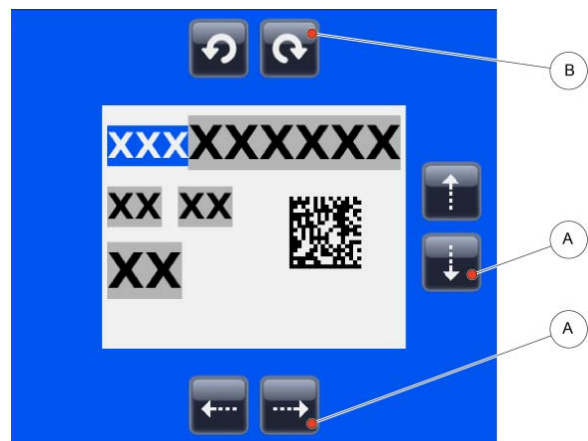


If a Barcode is desired on the template; you must have a barcode field added to the template to use as a container for the data within the barcode.

Translator	Choose the translator used for the data required
Symbology	Code128 (Subset A), Data Matrix or QR-Code
Size	Size of the barcode on the template



A	Arrows, move the field up, down, left and right
B	Rotates the field
C	Makes the text Bold
D	Makes the text Italic
E	Increases the size of the characters
F	Shows the text size
G	Decreases the size of the text
H	Changes the selected font
I	Displays the selected font to be used



Chapter 5 – Troubleshooting

Troubleshooting Table

Error / Symptom	Possible Cause	Remedy
Screen is blank on switch on	Mains lead is not connected.	Connect the mains lead to the instrument, refer to Electrical Connections and Start-Up procedure .
	Mains socket is not switched on.	Switch on the mains socket.
	Fuses in mains lead have blown.	Change the fuses in the mains lead adaptor.
Touch screen does not respond to touch	Touchscreen may be faulty.	Reset the instrument by turning off then back on. If fault persists then call the Thermo Fisher Scientific Service Department.
Instrument does not print correctly onto the slide.	The slides may be inserted back to front.	Check slides are correctly inserted into the instrument.
	The tape has run out	Change the tape in the instrument, refer to Changing the Thermal Transfer Ribbon section .
	The tape may be fitted incorrectly in the instrument.	Remove the tape and refit correctly, refer to Fitting the Thermal Transfer Ribbon Roll section .
	The print head head may need cleaning	Clean the print head in the instrument, refer to Cleaning the Print Head section .
Slides jam in the instrument	The slides being used may not be approved for use on the instrument.	Check you are using approved slides in the instrument, refer to Appendix C – Approved Slides .
	Tape may be fitted incorrectly.	Remove the tape and refit correctly, refer to Fitting the Thermal Transfer Ribbon Roll section .
	There may be an obstruction in the slide print mechanism.	Carefully attempt to remove the obstruction.



If you have any problems, contact your local Thermo Fisher Scientific Service Department.

Chapter 6 - Cleaning and Maintenance

Cleaning the Print Head

The Print Head should be cleaned if any of the following occur:

- The print on the slide is showing signs of smudging.
- The print ribbon burns through or when the ribbon is loaded upside down.
- The quality is not the same as previously observed.

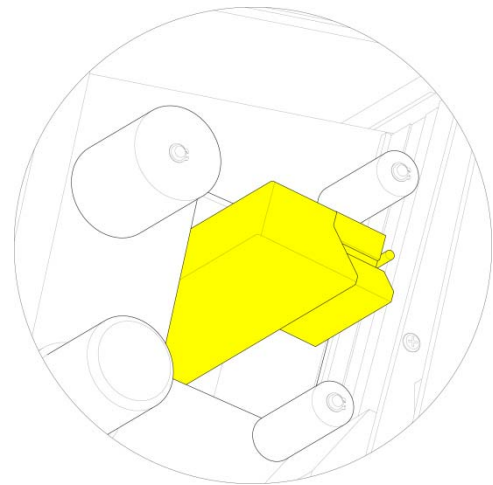


Avoid touching the print head surface with bare skin.

Remove the print ribbon from the printer.

Remove a swab from the SlideMate AS cleaning kit (part no) and bend the tube at the swab end to release the solution. Rub the print surface edge (where the print head contacts the slide) of the print head firmly with the swab. Do this several times until no residue is visible.

Let the print head dry for two minutes before loading the ribbon.



Appendices

Appendix A – Consumables and Accessories

Consumables and Accessories List

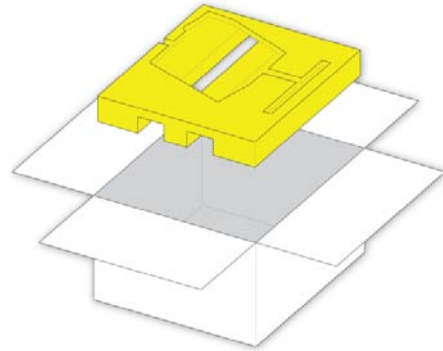
Description	Part Number
Thermal Transfer Ribbon	A83910001
Power adaptor Input:100-240V ~ 1.1A, 50-60Hz Output: 24V DC 1.5A	A83920013
Mains lead UK	A83920012
Mains lead EU	A83920011
Mains lead USA	A83920010
Screen guard	A83910007
Gateway Software	A83910005
Hub – Printer manager	A83910006
Slide Delivery System	A83910002
Hopper for delivery system	A83920016
Cleaning kit for print head	A83910008

Note

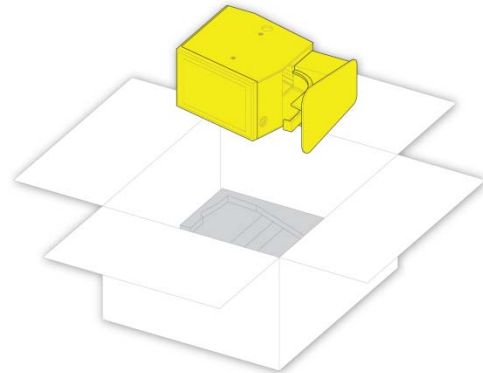
Only use the Thermo Fisher Scientific approved accessories specified in the above table.

Appendix B – Repacking Instructions

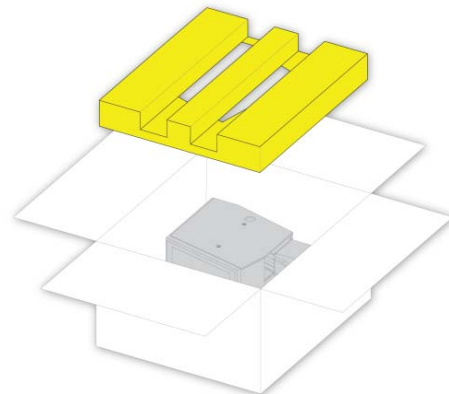
- Ensure the lower inner packaging is in place inside the packaging box.



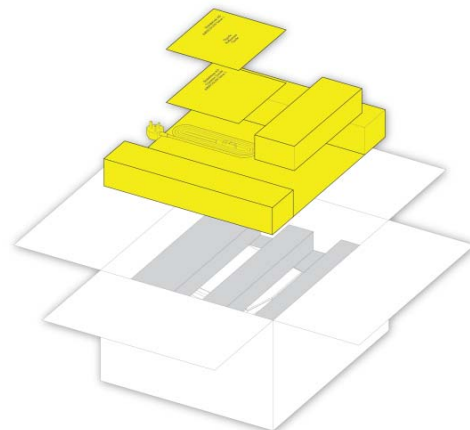
- Place the SlideMate AS instrument gently into the box ensuring it sits correctly in the cut-out of the foam packaging.



- Place the Upper inner foam packaging on top of the SlideMate AS instrument and gently press into place.



- Place the upper packing into the box and place all the accessories into the box.



- Ensure that the box is properly sealed.

Appendix C – Approved Slides

Description
Thermo Scientific Superfrost® slides (White European)
Thermo Scientific Superfrost® Plus slides (White Adhesion)
Thermo Scientific Polysine Slides (White)
Super Up-Rite Slide (White)
Bond-Rite Slides (White)
Thermo Scientific Superfrost Slides (White)
Bond-Rite Slides (White)

Appendix D – Icon Glossary

About Printer



Bluetooth On



Data Settings



Data Items



Data Translators



Date & Time



Display Settings



General Settings



Hub Settings



International



Keyboard Settings



Network Settings



Printer Busy



Printer Ready



Printer Setup



Printer Settings



Scanner Settings



Software Update



Sound Settings



Tape Full



Tape Low



Tape Very Low



User Settings



Wi-Fi Settings



Templates



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