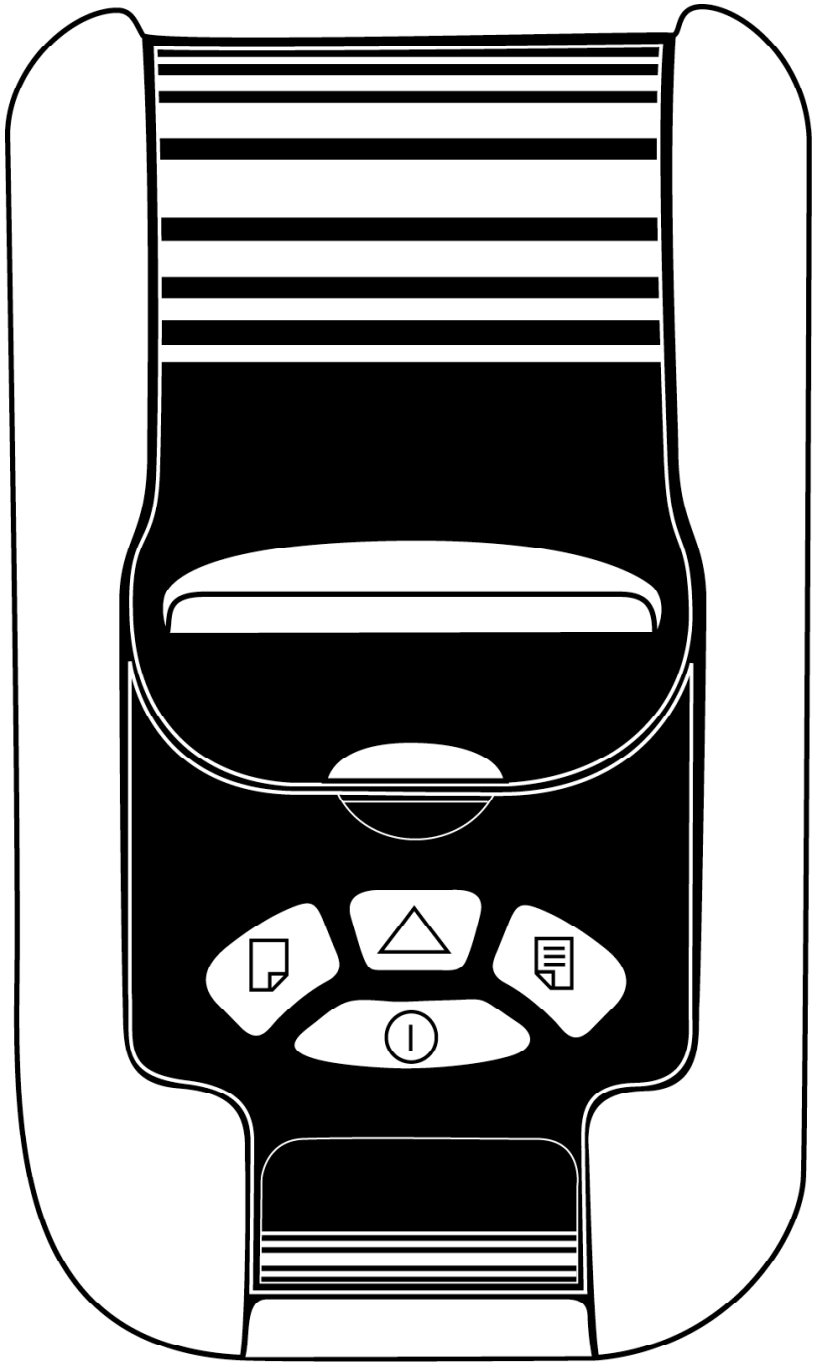
INSTRUCTION MANUAL

KMIRP2

Infrared Thermal Printer



Introduction

The KMIRP2 printer allows a user to obtain a hard copy of information held on their analyzer by utilizing the infrared printer port.

Features include

- New compact design with a protective rubber boot
- Integrated magnet in the back of the rubber boot for on-demand hands-free printing
- Infrared port receives readings up to 15' away without losing connection. Allowed 60˚ angle up to 10" away
- Communicates with UEi analyzers and other analyzers using HP protocols
- Self-test and battery condition indication
- Auto power off
- Paper advance

Contrds and Indicators

1. : ON/OFF
2. : Paper feed
3. : Lighten contrast
4. : Darken contrast

Operating Instructions

Set Up

The printer is powered by 4 "AA" size alkaline batteries which will provide around 6000 print lines before replacement is required. Batteries should be fitted into the battery compartment on the rear of the printer, taking note of the individual battery orientation.

The KMIRP2 uses thermal paper and care should be taken when fitting n ewpaper rolls to ensure that the "shiny" side of the paper faces the print head. The paper should be placed into the slot within the paper roll holder while holding the paper feed button until the paper feeds through to the front of the printer. Ensure that the paper has an even edge and is not folded before attempting to load into the printer.

WARNING!

Do not try and pull the paper through manually as this could damage the print head. If the paper jams, use the paper feed button, very carefully ease the edge of the paper back into the paper roll holder and try reloading as detailed above.

Switch the printer on.

***NOTE:** The printer will automatically switch off after 10 minutes of inactivity. To reactivate simply press the power on button. The printer will also switch off automatically during printing if the battery voltage drops too low. If this happens install a new set off batteries.*

Positioning the Printer and Instrument

Ensure that there are no obstructions between the instrument emitter (at the top of the unit) and the Printer Receiver (on the bottom of the printer b elowthe keypad).

- Maximum distance < 15 feet

Self-Test and Battery Condition Indication

To run the printer self-test and battery indication, follow these steps:

1. With instrument off, press and hold paper feed button (up arrow)
2. Press and release power-on button
3. Release paper feed button

The printer will display "**START TEST**" and will then print all available characters. At the bottom of the characters the battery level will be indicated by a value between a low of 1 and a high of 5, for example "**BAT:5**". The last line of the display will indicate "**END TEST**".

Regardless of the battery condition reference, new batteries should be installed when any of the following symptoms are present:

- The print contrast remains too low, even when the control is set to highest contrast
- Print speed slows due to the print head moving too slowly across the paper
- Printing stops before all information on a line has been completed
- The battery condition reference (shown at the end of the self-test) is 1 or 0

Contrast Adjustments

The printers contrast (image clarity) can be adjusted using the left or right keys. Use the left key to lighten the image and the right key to darken the image. Use the lightest acceptable contrast setting to ensure the longest possible battery life. if the contrast cannot be set to an acceptable level, change the batteries.

Battery Life

For longest battery life, always turn off the printer when printing is complete. To help prevent potential damage from leakage, remove the batteries if the printer will not be used for a long period of time.

Optional AC Adapter

In order to prolong the battery life, the printer will also operate with an optional AC Adapter (KMCU/IRP220).

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Controlling The Print Head

If you turn the printer off while printing, the print head may stop in the middle of the line. To return the print head to the left side of the paper, turn the printer on, then off.

Missing or Misformed Characters

The "_" or "■" character will show on the print out if the printer has detected incorrect data due to interference with, or interruption to, the stream of incoming information.

Common causes for this error include incorrect positioning of, or distance to printer with reference to the instrument. Obstruction of the infrared signal or even interference from another infrared emitting source can also affect the printout.

Environmental Limits

Operating temperature:	32˚ to 122˚F (0˚ to 50˚C)
Storage temperature:	-40˚ to 140˚F (-40˚ to 60˚C)
Humidity:	5% to 95% relative at 104˚F (40˚C)

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KMIRP2

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Limited Warranty

The KMIRP2 is warranted to be free from defects in materials and workmanship for a period of one year from the date of purchase. If within the warranty period your instrument should become inoperative from such defects, the unit will be repaired or replaced at UEi's option. This warranty covers normal use and does not cover damage which occurs in shipment or failure which results from alteration, tampering, accident, misuse, abuse, neglect or improper maintenance. Batteries and consequential damage resulting from failed batteries are not covered by warranty.

Any implied warranties, including but not limited to implied warranties of merchantability and fitness for a particular purpose, are limited to the express warranty. UEi shall not be liable for loss of use of the instrument or other incidental or consequential damages, expenses, or economic loss, or for any claim or claims for such damage, expenses or economic loss. A purchase receipt or other proof of original purchase date will be required before warranty repairs will be rendered. Instruments out of warranty will be repaired (when repairable) for a service charge. Return the unit postage paid and insured to:

This warranty gives you specific legal rights. You may also have other rights which vary from state to state.

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