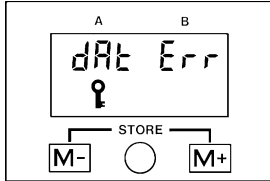
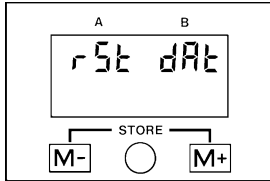


Datuming Routine

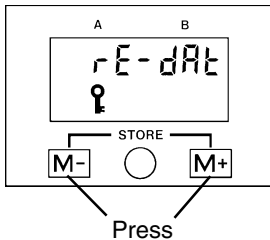
Unlock the head



Rotate axes to zero position



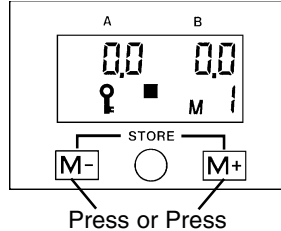
Lock head. Press M+ and M- buttons together to re-datum



Part No. H/1000/5205/03/A
Issue Date: 5.91

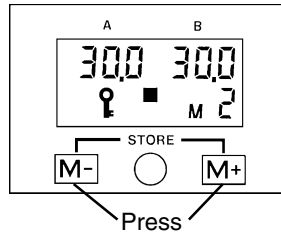
Selecting a memory

Lock head. Press M+ or M- button to activate memory, then select memory using buttons.



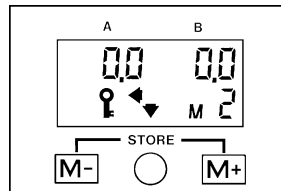
Storing a memory

Move axes to required position and lock. Select memory and store by pressing M+ and M- buttons together.



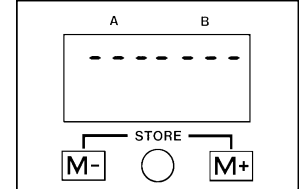
Returning to memory position

Select a memory, unlock head and rotate axes following the direction arrows until they disappear and block appears. Re-lock the head.



Recover from battery save

Re-lock MIH without moving axes



IMPORTANT NOTES

- K** Do not leave the MIH unlocked - this will shorten battery life.
- K** Always ensure the MIH is correctly locked before attempting to take points.
- K** Ensure that the MIH is mounted as rigidly as possible in the CMM quill.
- K** Note that the memory buttons are only active when the MIH is locked.
- K** Always operate the MIH in accordance with the User Guide.

TROUBLESHOOTING GUIDE

Observation	Possible Causes	Checks/Remedial Action
Poor repeatability (Probe changing)	Loose mounting	Ensure shank mounting screws are tight and shank is securely mounted in machine quill
	Dirty or damaged Autojoint	Inspect Autojoint probe connection contacts for damage and contamination. Clean with a stiff brush if necessary.
	Autojoint lockup procedure incorrect	Ensure probe setup is locked onto the head correctly using the Autojoint key
	Probe extension too long	Ensure maximum extension bar (300mm) is not exceeded and that extensions longer than 150mm are supported on lockup
Poor repeatability (Head positioning)	Loose mounting	Ensure shank mounting screws are tight and shank is securely mounted in machine quill
	Head lockup procedure incorrect with long extensions	Ensure maximum extension bar (300mm) is not exceeded and that extensions longer than 150mm are supported on lockup
Incorrect LCD function	Battery power low	If low battery indicator is shown, replace battery. If not, head may be faulty (see NOTE below)
No LCD function	No battery present or battery inserted incorrectly	Ensure battery is present and is inserted correctly (Refer to User Guide - Installation section for correct procedure)
Unexpected software modes entered	Buttons not pressed simultaneously	Ensure simultaneous operation when appropriate (e.g. to enter Sequence Mode, if buttons are not pressed simultaneously, Memory Mode is entered)
	Timeout exceeded	On timeout (no button presses or head movement for a period of time) the LCD will revert to Simple Mode if locked or to a power down state if unlocked
No probe signal and/or no probe status LED	Cabling faulty/not connected	Check continuity of cabling from head to interface/machine control (refer to User Guide - Installation section for pin connections)
	Probe/extension bars faulty	Check probe/extensions are working correctly by exchange/elimination/continuity check - if faulty return to Renishaw Service Centre for repair
	Probe interface faulty/not connected	Ensure correct connection of interface/machine control
When inserting battery, Self Test is entered	Button pressed during battery insertion	Re-insert battery ensuring buttons are not pressed OR press both buttons simultaneously 3 times to enter Datum Mode

NOTE: The MIH is not serviceable and should be returned to a Renishaw Service Centre if suspected faulty