

OPERATING INSTRUCTIONS FOR DIGIREAD 3D counter.

cnt3_107 01-01-99

Probe on-off



Press the M key and the LED above the M key lights up. The LED on the Renishaw probe should also light up. The counter is now ready for probing and will send the probe points for the X,Y and Z axis via the serial port. The X,Y and Z position can be read via the serial port by sending a CTRL B to the counter. Serial port settings are Baud 9600 8N1.No handshake.

Reset Preset Function with Probe



To reset axis clear the keyboard display. To preset the axis enter the preset value on the keyboard. Press the MODE key and the X axis display will read "ProbE.SET". Accept with the E key. The X axis display will read "AHIS ? ". Press the relevant axis key and the left most decimal point will light up. Once the probe has triggered the selected axis will be reset or preset and the left most decimal point will be extinguished.

Switch scaling factor on.



Press MODE on the keyboard and then the NO key. The X axis display will read "S-FAC on ". Press E to switch the scaling factor on. The right most decimal point in the keyboard display will light up.

Switch scaling factor off.



Press MODE on the keyboard and then the NO key twice. The X axis display will read "S-FAC of ". Press E to switch the scaling factor off. The right most decimal point in the keyboard display will extinguish.

Switch to CONT. MODE



Press MODE on the keyboard and then the NO key three times. The X axis display will read "SEr. cont". Press the E key to switch to POINT MODE. The LED above the P key will light up. Only the probed X,Y and Z coordinates will be sent via the serial port.

Switch to POINT MODE



Press MODE on the keyboard and then the NO key four times. The X axis display will read "SEr.Point". Press the E key to switch to Continuous MODE. The LED above the P key will extinguish. The actual X,Y and Z coordinates as well as the probed X,Y and Z coordinates will be sent via the serial port.

Edit scaling factor.



Press MODE on the keyboard and then the NO key five times. The X axis display will read "S-FACTor". Press the E key to edit the scaling factor. The keyboard display will show the current scaling factor in %. If the value stays unchanged press E otherwise press C to clear the old value and enter the new scaling factor on the keyboard and press E to enter.