



Temperature Technology Ltd.



MCS-1 MI Cable Straightener Installation & Operation Manual

Whatever stage of development your production line is in, TTL have the products to help you produce temperature sensors quicker, easier and more efficiently.

Operating Instructions

INSTRUCTION NOTES FOR MCS-1 STRAIGHTENER

The MCS-1 is despatched with the inspection window detached to avoid damage in transit and un-packaging. This must be fitted prior to use.

OPERATION

Ensure the correct bush for the diameter of cable to be straightened is fitted.

Make sure that the leading edge of the mineral insulated cable has no sharp edges.

Hand straighten the first 250mm or so, of the cable and enter it into the left-hand side of the machine.

With a flat screwdriver loosen the brass screw in the armature so that the central bush can pass back and forth over the centre line.

Feed the cable through the yoke and then a few centimetres into the right hand bush.

Tighten the brass screw until pressure is just felt on the cable and then continue to tighten until the cable is offset from the centreline by about 2 to 3mm – smaller diameters will need to be offset by a larger amount.

Close the inspection window making sure that the peg enters the hole in the bearing plate.

Whilst holding the end of the coil, start the machine and feed the cable in at a steady rate of about 150mm per second.

When nearing the end of a coil or when straightening short lengths, grip the cable with pliers or a toggle wrench to prevent rotation.

The machine may be stopped and restarted at any time during straightening.

Note: The machine will not start unless the inspection window is fully closed. Similarly, the machine will stop if the window is opened whilst in operation.

CHANGING BUSHES

Lift the inspection window and using a 2mm hexagon key, slacken the two grub screws on the armature and withdraw the bushes from the outside.

Slacken the grub screw in the yoke and withdraw the small bush.

Insert the new bushes and tighten the grub screws firmly, but do not overtighten as this may distort the bores.