

CMR-2986 Addendum to MiniScan EZ 45/0 LAV User's Manual

Description



This CMR consists of a user installable, modified nose cone and a bobbin holder that snaps onto the nose cone to facilitate consistent placement of the instrument for color measurement of a textile bobbin.

This CMR will work with MSXE, MSXP and MSEZ 45/0 LAV instruments.

The P0 Bobbin Holder Base is required in all cases.

Bobbin Holders with an

appropriate diameter for the client's fiber packages can be selected and purchased as needed. Bobbin Holders with custom diameters can be made.

CMR-2986-P0 MiniScan 45/0LAV Bobbin Holder Base (L02-1012-302) modified nose Cone which is required in all cases.

Individual holders can be selected based on User needs:

CMR-2986-P1 MiniScan 45/0LAV Bobbin Holder, 152 mm (6 in) diameter

CMR-2986-P2 MiniScan 45/0LAV Bobbin Holder, 254 mm (10 in) diameter

CMR-2986-P3 MiniScan 45/0LAV Bobbin Holder, 305 mm (12 in) diameter

CMR-2986-P4 MiniScan 45/0LAV Bobbin Holder, 360 mm (14 in) diameter

CMR-2986-P5 MiniScan 45/0LAV Bobbin Holder, 89 mm (3.5 in) diameter

CMR-2986-P6 MiniScan 45/0LAV Bobbin Holder, 190 mm (7.5 in) diameter

CMR-2986-P7 MiniScan 45/0LAV Bobbin Holder, 229 mm (9 in) diameter

CMR-2986-P8 MiniScan 45/0LAV Bobbin Holder, 330 mm (13 in) diameter

CMR-2986-P9 MiniScan 45/0LAV Bobbin Holder, 432 mm (17 in) diameter

CMR-2986-P10 MiniScan 45/0LAV Bobbin Holder, 70 mm (2.75 in) diameter

CMR-2986-P11 MiniScan 45/0LAV Bobbin Holder, 558 mm (22 in) diameter

Installation

If purchased new, the sensor should come with the CMR-2986-P0 Bobbin Holder Base attached with the standard black MiniScan Nose Cone included in the Standards Box.

If CMR-2986 has to be installed in the field, first use a Phillips-head screwdriver to remove the three screws holding the standard black nose cone on the MiniScan sensor. Replace this nose cone with the CMR-2986-P0 Bobbin Holder Base, carefully tightening the three self-tap screws.

Operation

1. Standardize the instrument with the CMR-2986-P0 Bobbin Holder Base in place.
2. Snap on a Bobbin Holder that corresponds to the diameter of the bobbin being measured.
3. Align the Bobbin Holder with the long direction of the bobbin.
4. Average several readings around the bobbin for a single, repeatable measurement minimizing the directionality effects of the wound fiber and non-uniform color.

Frequently Asked Questions

FAQ: Is the diameter of the Bobbin Holder critical? How well does it have to match the diameter of the bobbin?

The diameter of the Bobbin Holder is not critical but needs to be sufficiently close that the Bobbin Holder will help in aligning the instrument for a make a repeatable measurement.