





Product description – SeeOne TopScan AWM

Automatic system for sheathing thickness measurement on electric cables

TOPSCAN AWM system allows fully automatic thickness measurement on insulating covers and non-metallic sheathings of electric cables. International standards and product specifications demand particular characteristics for measuring systems and special measurement and evaluation methods.

TOPSCAN AWM, developed by SeeOne, is the natural evolution of the profile projector or of the measuring microscope getting following goals:

- measurement objectivity*
- results repeatability*
- time and manpower saving*
- system's use great easiness*
- conformity with CEI 20-34/1-1*





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Following working capacities are further technical-functional characteristics that make this product really exclusive:

- *pushing a button the system measures the thickness of inseparable insulating covers and sheathings giving the single thickness measures;*
- *the system is also capable to work with varying height cable samples and with a single parallel plane. This is possible thank to a particular disposition of the camera which allows to acquire the face of the sheathing that is direct on the bearing surface;*
- *double interfacing-level with the instrument: the first level is for line's operators, the second one is for a supervisor or for those who are in charge of quality laboratories.*



The TopScan AWM is used also by IMQ, for the testing on the cables !

IMQ is Italy's most important certification body and a European leader in conformity assessments and laboratory tests for the electrical, electronic, gas and energy industries.



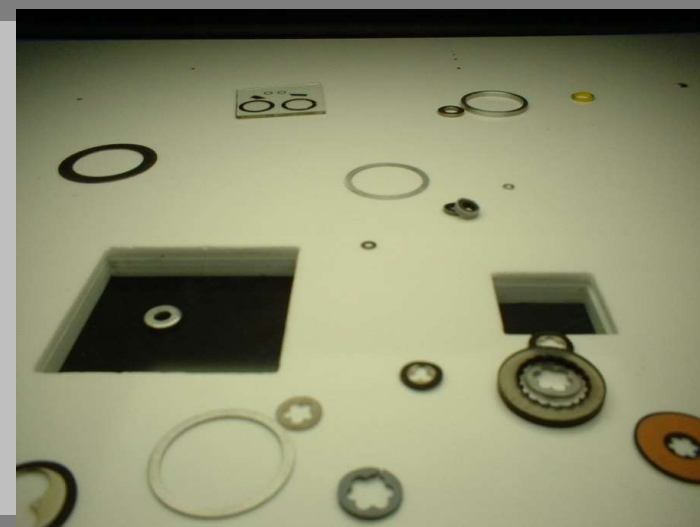


*All the systems have been developed by the criterion of the “**FALCON MMI**” interfacing with the user that is based on the concept: **PRESS A BUTTON AND MEASURE !***

The operator is not required to carry out hard set-up and debugging. The station itself has an intelligence that allows the automatic research of the electric cable and its measurement, even by variation of the cable's dimensions.

The user is only required to place the cable sheathing onto the glass, that correspond on the field of view of the camera, and to press the START key in order to get the whole measurement cycle.

The modular nature of TOPSCAN AWM allows to obtain different configurations which can be customized when required by the customer. In particular we suggest the AWMLC system for laboratory use, or the industrial configuration AWMRK001 for application near the production line.





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AWM METROLOGICAL CHARACTERISTICS

MEASUREMENT REPEATABILITY:

For example the repeatability of the instrument with a 20 mm field of view is equivalent to +/- 0.5 hundredths millimetre (0.005 mm)

MEASUREMENT RELIABILITY: for example the instrument reliability with 20 mm field of view is equivalent to +/- 1.0 hundredth millimetre (0.01 mm)





SeeOne TopScan AWM – Software presentation

