

Length measuring units

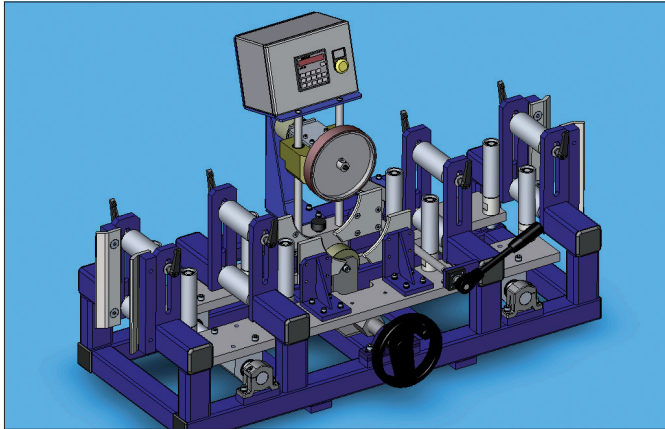


Fig. 1 MESSBOI 100 with Pre-selection counter in housing



Fig. 2 MESSBOI 100 installed in UMROL

This measuring unit consists of a solid carcass equipped with guide rollers to which the measuring device is mounted. Measuring scanning by means of measuring wheel.

Calibration of the length measuring device with additional inlet and outlet rollers is approved by German Authorities for a period of two years, valid in Germany, for coated round cables with a diameter from 10 - 80 mm.

Basic equipment:

- 2 x 2 sets of inlet and outlet rollers, adjustable in height and centrally adjustable in width
- Mechanical measuring wheel mounted on two pillar guides
- Measuring wheel rests on the material due to its dead weight
- Axle of measuring wheel for installation of a rotary pulse encoder with flange RI58
- Hand lever to lift and arresting the measuring wheel in the top position

Additional equipment

- **rotary pulse encoder RI58 500 Imp/per turn**
with two conduits A+B, 24VDC with connecting cable 5 m
Consult us about your special applications.
- **Pre-selection counter ME 40** integrated into the operating panel of the machine
pre-selection counter kabelmat - ME 40 with membrane keyboard.
Two potential free electrical contacts for drive of fast or creep speed function of an adjustable winding drive or a signal lamp. The counter is equipped with membrane keyboard for indicating data.
Monitoring of the calibration speed by means of signal lamp.
Calibration range of the length measuring units with kabelmat pre-selection counter and rotary pulse encoder with additional inlet and outlet roller cages.
- **housing** for pre-selection counter mounted at the length measuring unit (necessary if there is no operating panel)
- **Diameter recognition mounted on the MESSBOI 100** to determine the diameter of winding good

Technical Details

Material-Ø	5 - 100 mm
Calibration	10 - 80 mm
Measuring wheel	0,5 m
rotary pulse encoder	500 Imp/Umdr. 24 VDC
Error limit (with additional inlet and outlet rollers) Speed	+/- 0,5 %
Speed calibration	max. 250 m / min
Counter	max. 150 m / min
L x W x H	9999,999 m
Weight	abt. 1100 x 550 x 450 mm
	abt. 100 kg