

Length measuring unit



Fig. 1 MESSBOI BELT with housing and tripod stand



Fig. 2 MESSBOI BELT installed in a machine with roller cages and straightening element

MESSBOI 40 BELT

Our belt measuring unit MESSBOI 40 is used for all various types of winding material such as cables, tubes, hoses and ropes in order to measure its length. It is suitable for highest possible error limit as well as for very small measuring tolerances. Chassis consists of a stainless steel housing, in which particularly the sensitive components are protected against external influences at best. Material scanning is executed by two measuring crawlers. The upper part can be removed by means of a toggle joint and adjusts itself to the material thickness due to its own weight. The material length is indicated by a rotary pulse encoder which is mounted at the lower measuring crawler. The actual length as well as its set value is indicated by an electric pre-selection counter. Conformity certification of the length measuring device with additional inlet and outlet rollers for coated round cables is approved by German Authorities for a period of two years, valid in Europe.

Technical Details		Recommended equipment	
Material-Ø	1 - 40 mm	Rotary pulse encoders	max. 2 pieces
Calibration	2 - 25 mm	Pre-selection counter	
Measuring wheel	0,5 m	Conformity evaluation	
Error limit with additional inlet and outlet roller cages	+ / - 0,5 %	Tripod stand for installing the MESSBOI 40 Belt on the floor	
Length without calibration accessories	abt. 500 mm	Pedestal for installing the MESSBOI 40 Belt on a desk	
Width	abt. 300 mm	Roller cages	
Height	abt. 500 mm	Stainless steel housing	
Length with calibration accessories	abt. 1400 mm	Pneumatic locking device for locking the measuring wheel	
Height with tripod stand	adjustable 1320 - 1620 mm	Other accessories upon request	
Speed	max. 600 m/min		
Speed calibration approval	max. 200 m/min		



Fig. 3 MESSBOI BELT

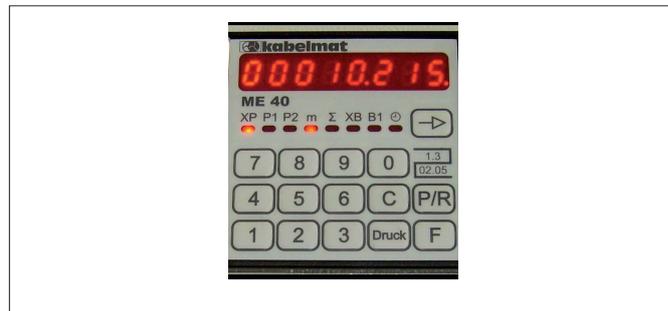


Fig. 4 Pre-selection counter