



Code	Description
MAB602	VERTICAL MOTORIZED HEIGHT MEASURING INSTRUMENT

MAB 602

Main characteristics:

- Système de mesure multifonctionnel avec un écran tactile 7" LCD couleur. Avec une interface intuitive, rapide et facilité d'utilisation alphanumérique et affichage graphique pour traiter les mesures et calculs géométriques avancées. Déplacement vertical motorisé.
- mouvements sur coussins d'air permettant une plus grande précision et la fiabilité de glissement rapide
- Force de mesure constante minimisée avec une optimisation conséquente des mesures effectuées au moyen de sondes longues
Mise en veille automatique pour économiser l'énergie
- Port USB / LAN pour importer ou exporter des données et des programmes de mesure
- mises à jour logicielles automatiques via Clé USB
- Port RS232 pour la connexion à une imprimante ou d'autres périphériques externes
- pièce maîtresse d'étalonnage, y compris bloc de calibre 5 mm comme pièce jointe standard














Functions:

- Automatic processing of 1D and 2D measurements
- Calculation of tolerances of the performed measurements
- Extensive statistical evaluations with automatic storage of the detected values
- One key function to start measurement procedures automatically
- Self-learning of measuring sequences, creation, storage and recall of measuring programs
- Possibility to set unlimited number of reference points on the workpiece.
- Perpendicularity and straightness measurements by means of the optional kit code **KMRP**
- System software and operational menus available in various languages
- Automatic temperature compensation
- Automatic compensation of the measurements performed either in floating or static mode
- Non-linear error compensation (SLEC)
- Probe flexion error compensation

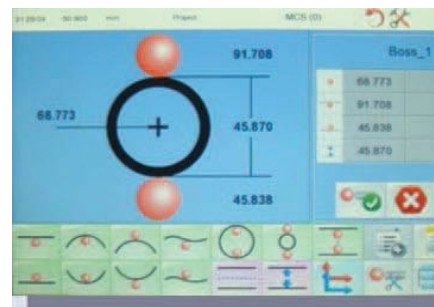
DESCRIPTION

FURTHER FEATURES









1D MEASUREMENTS

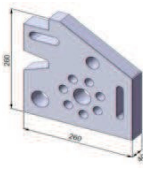


-  Measures a surface from below
-  Measures a surface from above
-  Measures a bore from above
-  Measures a bore from below
-  Measures a shaft from above
-  Measures a shaft from below
-  Bore measurement
-  Shaft measurement
-  Groove measurement
-  Upper flatness
-  Lower flatness
-  Calculation of the centerline
-  Calculation of distances

Measuring range	620 mm
Range of application	910 mm
Measuring Accuracy	1,5+L/600 µm
Plane Repeatability	1 µm *
Bore Repeatability	1 µm *
Perpendicularity	6 µm *
Resolution	1 µm
Measuring force	< 1N
Dimensions	300x265x935 mm
Weight	20 Kg
Measuring system fitted with incremental optical scale	
Battery-powered for longer operation autonomy without encumbering cables.	



2D MEASUREMENTS

-  Angle calculation
-  Groove angle calculation
-  Creating 2D points
-  Calculation of distance between two points
-  Calculation of the midpoint
-  Calculation of the angle between X axis and the line passing through two points
-  Calculation of the angle between two lines passing through three points
-  Calculation of the circle passing through three or more points

Code	Description					
OPTIONAL ACCESSORIES						
KMRP	KIT FOR MEASURING STRAIGHTNESS AND PERPENDICULARITY <u>Consisting of:</u> <ul style="list-style-type: none"> • LVDT probe featuring 1 mm linear displacement, resolution 0,1 µm, repeatability +/- 0,2 µm • 8 mm probe holder extension • Probe insert holder • Software for measurement processing featuring: <ul style="list-style-type: none"> *Straightforward visualization with possibility of zero setting *Calculation of straightness with graphic display of line and angle inclination *Calculation of perpendicularity with graphic display of the line and indication of Min and Max values 					
PDT	SPECIAL SHAPED PIECE FOR DEMO AND TRAINING <ul style="list-style-type: none"> • Training piece in anodized aluminium specially conformed for 1D and 2D measurements, useful for practicing all the instrument functions and features. <div style="text-align: center;">  </div>					
CSBTB-1	<ul style="list-style-type: none"> • Test report for the a.m. metal piece 					
HIGH PRECISION DIABASE SURFACE TESTING PLATE <ul style="list-style-type: none"> • Thanks to its lapped surface and high degree of flatness, overall quality and workmanship this testing plate is the ideal base for mounting the height gauge MAB 602. • Supplied with a suitable stand of sturdy construction (code TSC) to provide exceptional strength and stability. Fitted with drawer to house accessories. <div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="text-align: center;">  </div> <div> <p>Hardness 7 ÷ 8,5 MOHS grades, 60-70 HRC</p> <p>Specific weight 3 kg/dm³</p> <p>Porosity 0,76%</p> <p>Resistance to compression 1600÷2400 kg/cm²</p> <p>Flexion resistance 100÷175 kg/cm²</p> <p>Linear thermal expansion (5÷6,7) x 10⁻⁶ °C⁻¹</p> <p>Thermal conductivity 2,5÷3,4 kcal (m.h. °C)</p> </div> <div style="text-align: center;">  </div> </div>						
Code	Item	Accuracy µm	Grade	Dimensions mm	Weight kg	Price €
PGS08 TSC08	Plate + Stand	4	00	1000x630x150 1000x630x790	300 50	
PGS09 TSC09	Plate + Stand	4	00	1000x750x150 1000x750x790	339 60	
PGS13 TSC13	Plate + Stand	5	00	1200x800x150 1200x800x790	434 80	
PACKING <ul style="list-style-type: none"> • Carton on pallet cm 71x53x111 gross weight Kg. 40 						

All data and prices contained in this price list may be modified any time without advance notice and therefore are not to be considered as binding.