

ALESTA



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INTRODUCTION

The Alesta family is a product that simplifies the setting of 2-point bore gauges. It replaces the traditional way using a lot of different rings.

Thanks to innovative adapters, a positioning error will be eliminated and the speed of measurements increased. You just input the dimension into the key board and the required mobile carriage will position itself automatically onto this position. The mobile carriage system will always stay in the desired position even when applying a force on the anvils.

The stable granite base combined with a high precision measuring system guarantees excellent measuring results. Using a tolerance table the carriage can be positioned to the selected tolerance range. This table can be tailor-made to customer's requirements. This product achieves a typical return on investment of 2 years. The acquisition of new rings and their calibration will be eliminated. The instrument range includes 3 models: 300, 500 and 1000 mm.

IDEAL FOR USE IN THE WORKSHOP AREA

VERY SIMPLE MANIPULATION

MOTORIZED CARRIAGE MOVEMENT

STABLE GRANITE BASE

HIGH PRECISION MEASURING SYSTEM (HEIDENHAIN)

TOLERANCE DATA BASE

WIDE SELECTION OF ADAPTERS AND ACCESSORIES

INTERNAL AND EXTERNAL MEASUREMENT POSSIBLE

DESCRIPTION



ALESTA

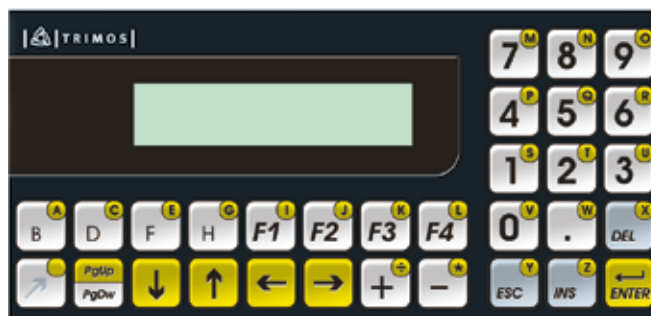
DISPLAY / SOFTWARE

PROGRAMMING OF 100 TOLERANCED DIMENSIONS

MANUAL OR AUTOMATIC DISPLACEMENT

PROGRAM IN ITALIAN, ENGLISH, FRENCH, PORTUGUESE, GERMAN, SPANISH

INTERNAL AND EXTERNAL MEASUREMENT

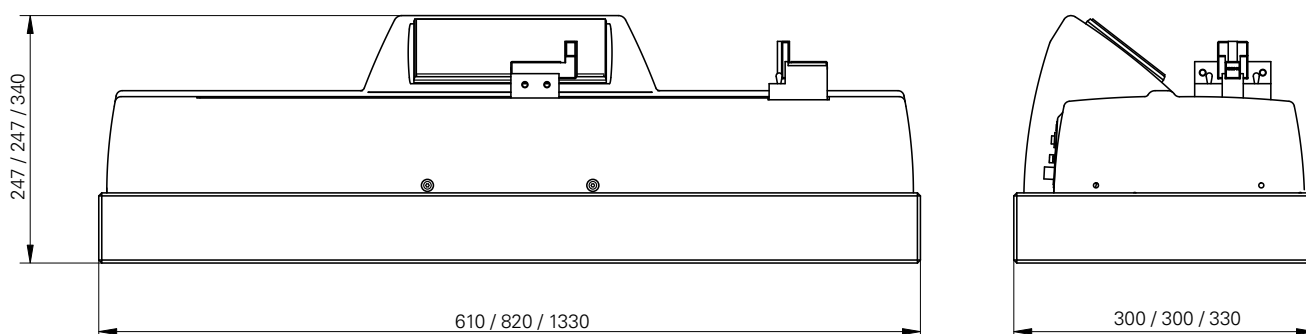


TECHNICAL SPECIFICATIONS

Alesta		300	500	1000
Application range (external measurements)	mm (in)	300 (12)	500 (20)	1000 (40)
Application range (internal measurements)	mm (in)	40 ÷ 340 (1.6 ÷ 13.5)	40 ÷ 540 (1.6 ÷ 21.5)	40 ÷ 1040 (1.6 ÷ 41)
Max. permissible errors ¹⁾	µm	1.5 + L(mm) / 300		
Repeatability (2s) ¹⁾	µm	< 1		
Resolutions	mm (in)	0.001 (.00001)		
Holding force	N	240		
Interfaces		RS232 et USB		
Operational temperature	°C	+10 ÷ +40		
Temperature of storage	°C	-10 ÷ +40		
Weight	Kg	62	77	200

¹⁾ Values valid at temperature of 20 ± 0.2 °C and relative humidity of 50 ± 5%.

SCHEMA



STANDARD INSTRUMENT

The Alesta instruments are supplied as follows:

Instrument according to specifications	User's manual (750 50 0022 00)
	Test certificate

CODE NUMBERS

Alesta	
ALE300P 700 204 00 02	Measuring range 300 mm
ALE500P 700 204 10 02	Measuring range 500 mm
ALE1000P 700 204 20 02	Measuring range 1000 mm

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APPLICATIONS



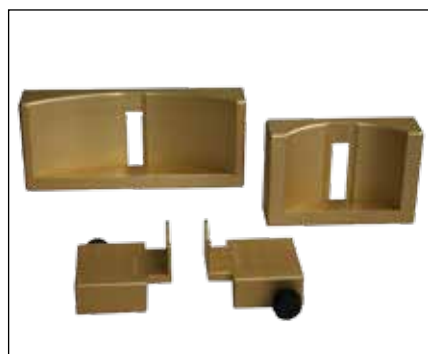
Setting of two-point bore gauges



No need to have a lot of different setting rings. They are replaced by one single instrument



Checking of calipers



Wide range of adapters to fit most two-point bore gauges and guarantee of easy/quick setting



Quick positioning using pre-programmed data