JENOPTIK

MORE LIGHT

Multi-functional measurement control system for demanding measurements as part of the production process. Movoline ES400

The ES400 measurement control system can be used to obtain precise measuring results throughout the entire production process: in real-time while processing a workpiece, as well as in pre-production and post-production, such as when carrying out match grinding processes or as a means of quality control.

To measure

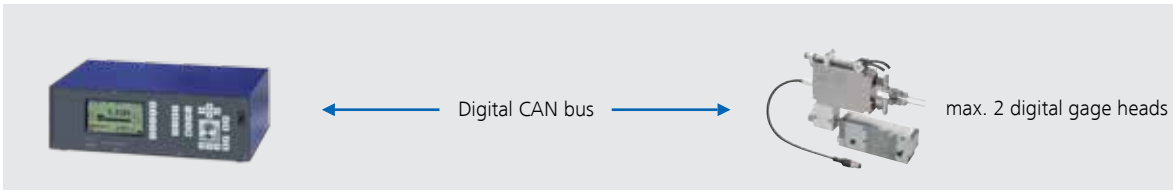
- Diameter
- Length and longitudinal position

System characteristics

- For uninterrupted or interrupted surfaces
- Passive or active positioning
- Up to 8 Movoline measuring heads can be connected
- With standard or customer-specific software
- Simple adaptation to different measuring requirements
- Several installation options for flexible use
- Digital and thus interference-free data transmission
- Measurement precision, even with minimal workpiece tolerances

Multi-functional measurement and control unit for demanding measurements throughout the entire production process

Movoline ES400



Integration

The ES400 control units each consist of one control unit and a front plate assembly and, where required, provide a range of different set-up and installation options. In terms of installation options, the front plate assembly can either be installed separately from the control unit or together as one component.

- Free-standing table unit
- Rack-mounted 19“
- Rack-mounted 19“ with remote front plate assembly
- Module in the switch cabinet
- Module in the switch cabinet unit with remote front plate assembly

Display

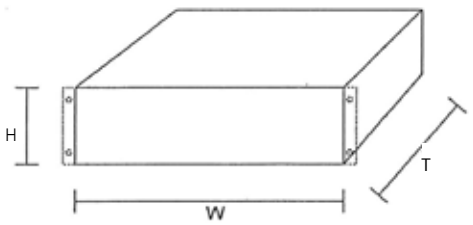
All models use an LCD display with robust membrane keyboard and a resolution of 240 x 128 pixels.

Elektronic properties

A single CAN bus cable is used for operation and to connect to the measuring heads. The measurement data is transmitted digitally, providing for interference-free transmission, and independent of the cable length. By using modern fieldbus technology, the number of cables needed when using multiple measuring heads on the ES400 can be kept to a manageable level.

Technical data

Power supply	24 VDC
Movoline gage hads	Max. 8 digital gage heads
Control inputs Type	32 24 VDC, 10 mA, Common: 0 VDC
Control ouputs Ones which can be used as BCD output Type	26 16 24 VDC, 100 mA (optocoupler), Common: 24 VDC
Analog outputs Range	4 4 – 20 mA or ±10 VDC
Analog outputs Voltage range Resolution	2 ±10 VDC 5 mV
Suuporting touch-trigger probe Type Switching voltage Switching current Switching delay	C25 Contact (NO or NC) ±50 VDC < 40 mA < 10 µs
Interfaces	PROFIBUS®, Ethernet, RS232
Dimensions [W x H x D]	447 x 132.5 x 275 mm



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