

Hommel-Etamic CMZ250

Universal Multi-Gauging System



The CMZ 250 gauging system is used for gathering, viewing and statistical processing of high-precision dimensional measurements on the shopfloor. It is supplied with Windows CMZ 32 statistical processing software. The system can be connected to most dimension probes available on the market. The compact design of the CMZ 250 unit makes it easy to integrate into shopfloor applications. In line with all ETAMIC products, the CMZ 250 can be operated under industrial conditions and does not require specific protection.

Features

- Maximum 250 probe inputs compatible with the following acquisition systems:
 - One or four 4-channel acquisition kits (up to 16 analogue probes)
 - Maximum of 8 measuring satellites (SDM)
 - RS485 digital kit (up to 62 digital probes)
 - Axom, Heidenhain, National Instrument, Sony, Solartron
- CMZ 32 software offers many display options
- Measurement results can be exported via
 - two 32 I/O cards: 24 V or relay outputs
 - RJ45 Ethernet kit
 - Field buses: Profibus, Fipway, Interbus
 - DIO48, DIO32, DIO16, Wago, rack48 cards
- Statistics processed in real time or with a programmed delay
- Average chart, individual value charts, moving average, histogram
- Part and measurement counter
- CPK, CAM, etc. coefficient histories
- Management of events and alerts
- Display of curves
- Exports data to SESAME, QS-STAT, SPC-LIGHT, SUMEQ

Specification

Dimensions (mm)	520 (h) x 390 (w) x 310 (d)
Processor	Pentium M, 1,6 GHz
Memory	2 x 512 Mb, DDR 400
Harddrive	IDE 3,5", 160 Gb
DVD Writer	18 x - Dual Layer
Outputs	RS232/RS485/RS422 configuration, Parallel (printer)
Screen	15" TFT LCD - XGA (1,024 x 768 pixels)
Protection classification	IP54
Operating temperature	0°C / + 40°C
Power supply	110 V / 230 V; 50 Hz / 60 Hz auto-switchable
Weight (Kg)	21
Operating system	Windows® 98/NT/2000
Measurements	Static or Dynamic: max., min., (max.-min.), [(max.-min.) / 2], scan
Measurement launch	By operator, probe or external control
Measurement units	mm, inch
Type of inspection	100% or sampling
Part picture	DXF, BMP, HGL, JPEG, etc. formats
Corrections	Temperature and/or Tools
Statistical data export	EXCEL, SESAME, SPC-LIGHT, QS-STAT, SUMEQ-compatible ASCII formats
Save/Restore	On floppy disk, on disk, on network in CMZ format - Possibility of saving in HTML, EXCEL or TXT formats

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