

IN-PROCESS MEASURING INSTRUMENT CODE 9425-SET1

CUSTOMIZED ACCORDING
TO GRINDING MACHINE



in-process measuring controller
9425-C01



outer diameter measuring device
9425-M01



driver cylinder
9425-D01

In-process measuring controller:

- 3.5" touchscreen for operation and display
- The display interface is intuitive, and operation is simple and efficient
- Compact and exquisite appearance, embedded mounting to save installation space

Measuring device:

- The internal structure contains no sliding mechanisms or friction components, ensuring high precision
- L-shaped leaf spring pivot with high durability, good rigidity and reliable performance
- Modular construction combined with high-precision parts for easy maintenance

Driver cylinder:

- Used together with the OD measuring device, oil pressure is supplied by the machine tool hydraulic system

IN-PROCESS MEASURING CONTROLLER SPECIFICATION

Range	±1000μm
Channel number	single channel
Sensor Input	differential transformer sensor input
Signal point output	7 relay signal points output
Number of input signals	5 input signals
Communication	485 output
Application*	continuous surface measurement of outer diameter
Power	DC24V 0.6A
Dimension (L×W×H)	121×40×100mm
Net weight	250g

* Customizable: continuous inner diameter surface measurement, honing inner diameter measurement, outer diameter single keyway measurement

application



OUTER DIAMETER MEASURING SPECIFICATION

Measurement of travel distance	4.8(length of the measuring rod 82)mm
Measure the diameter	about Ø3~Ø140mm(depend on the extension rod)
Linear range	-500~+1000μm
Repeatability accuracy	1μm/25 times
Force	100~120gf
Cable length	4m
Net weight	1.3kg

STANDARD DELIVERY

Main unit	1 pc
Outer diameter measuring	1 pc
Driver cylinder	1 pc

*Customizable: inner diameter measuring device

**Customizable: horizontal oil cylinder,
vertical side-mounted oil cylinder

DRIVER CYLINDER SPECIFICATION

Hydraulic pressure	1.0~1.5MPa
Dimension (L×W×H)	190×31×65mm