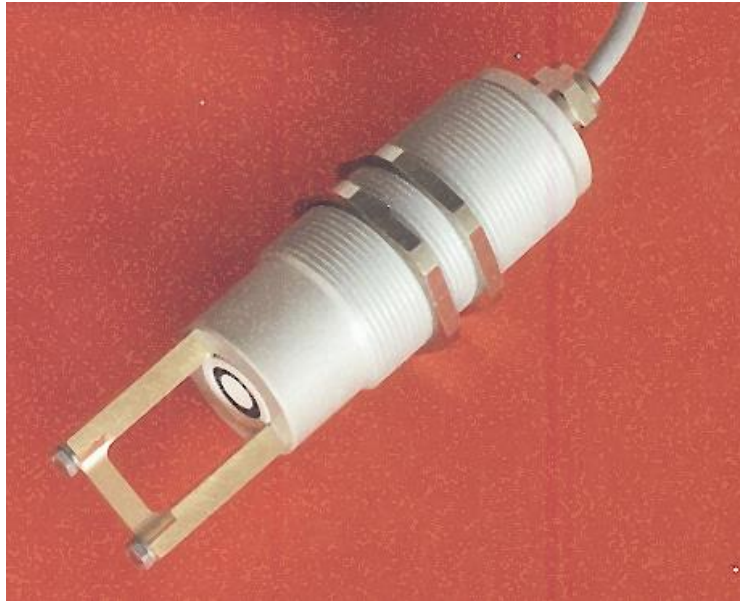


Ultrasonic distance sensor

U2000 synchro



The sensor U 2000 is an ultrasonic distance sensor with integrated electronics for processing precise measurements on virtually all materials. The sensor is equipped with an RS232-interface Data output and configuration features. Thanks to the external trigger input can be connected to a second sensor. A thickness measurement system set up with time synchronized measurements.

Measuring range: max. 130 mm from front edge sensor.

Measuring frequency:
In master mode: 120 Hz
In slave mode: 0 .. 130 Hz

Accuracy:
In the short range (up to about 20mm from the leading edge sensor): ± 0.01 mm

Aperture angle of the sensor:
 ± 6 degrees

Data format:

Serial data transmission (RS232 V24) at 9600

baud, 8 data bits, 1 stop bit.

The data output is in ASCII format to the millimeter.

Selectable pre-decimal places.

Additional adjustments:
averaging, noise suppression, parallel shift
(offset)