



High performance ULTRASONIC-SENSOR adjustment station

# AUTOMATIC ADJUSTMENT STATION



illustration similar

## SHORT DESCRIPTION

High speed, automatic test- and adjustment station for ultrasonic sensors with quick part exchange system. The handling system is adaptable to customer transport systems.

We support most ULTRASONIC-SENSORS on the market.

Supports automatic switching between different sensor types during production, no matter what interface or connector they use. No manual set up time needed.

Connection to your individual MES system available upon request.

## HIGHLIGHTS

- ▶ For high-speed mass production
- ▶ Cycle time < 3.5sec. (sensor specific, double system)
- ▶ Electronic target simulation
- ▶ Sensor interfaces for I/O, LIN and DS13 available
- ▶ Operates without air
- ▶ Adapts to custom transport system
- ▶ Support for several different sensor connectors during production
- ▶ Automatic switching between different sensor without any manual setup time
- ▶ Ready for connection to MES systems

## TECHNICAL DETAILS

- ▶ Operating range 30kHz – 80kHz
- ▶ Frequency measurement / adjustment
- ▶ Precise SPL adjustment 80dB to 110dB
- ▶ High sensitivity calibration with electronic target
- ▶ Ringing time measurement in us resolution
- ▶ NFD validation
- ▶ Power consumption in sleep/operation
- ▶ EEPROM programming & validation
- ▶ EMC Test
- ▶ Local statistic and logs to steer production

**2020: MORE THAN 1 BILLION ULTRASONIC SENSORS ARE PRODUCED WITH OUR EQUIPMENT**

