



## Final test station for calibration of IR sensors

### Product description

The system is used for adjustment, as well as for functional and final testing of infrared sensors with 5 detector elements each.

In the vacuum chamber up to 40 specimens can be equipped. The temperature-controlled base plate - temperature range -33 °C to +48 °C - can accommodate up to 4 type-specific workpiece carriers with 10 specimens each.

### Field of application

Quality control and end-of-line test in the production/manufacturing area



## Final test station for calibration of IR sensors

### Technical data

#### Test bench/device

- Vacuum chamber
- X-Y slide with two Z contact units
- 4-fold workpiece carrier holder, temperature controllable
- Type-specific workpiece carriers
- Black body with filter wheel control
- Pneumatics
- Electrics
- Control electronics
- Rack

#### Software

- TST-WIN test system
  - All settings and processes menu-driven and freely programmable
  - Extensive possibilities for controlling the sequence and the measurements
  - Visualization of test results by means of a table of measured values and additional graphic display
- Module „Remote maintenance“ enables remote access by ITronic service personnel
- Module „Climate and pneumatic elements“ is used to control climate and pneumatic elements

#### Scope of testing

- Measurement and calculation of optical parameters
- Calculation of calibration resistances and data transfer for laser trimming
- Function test with and without trim ceramic
- Determination of trim resistances
- Adjustment measurement
- End measurement

#### Input-/visualisation units

- Keyboard
- Monitor

#### Dimensions/Transport

- 2130x2200x2130 mm (WxHxD)

#### Test time

- Individual, depending on test scope

#### Exemplary device type

- 109 0006