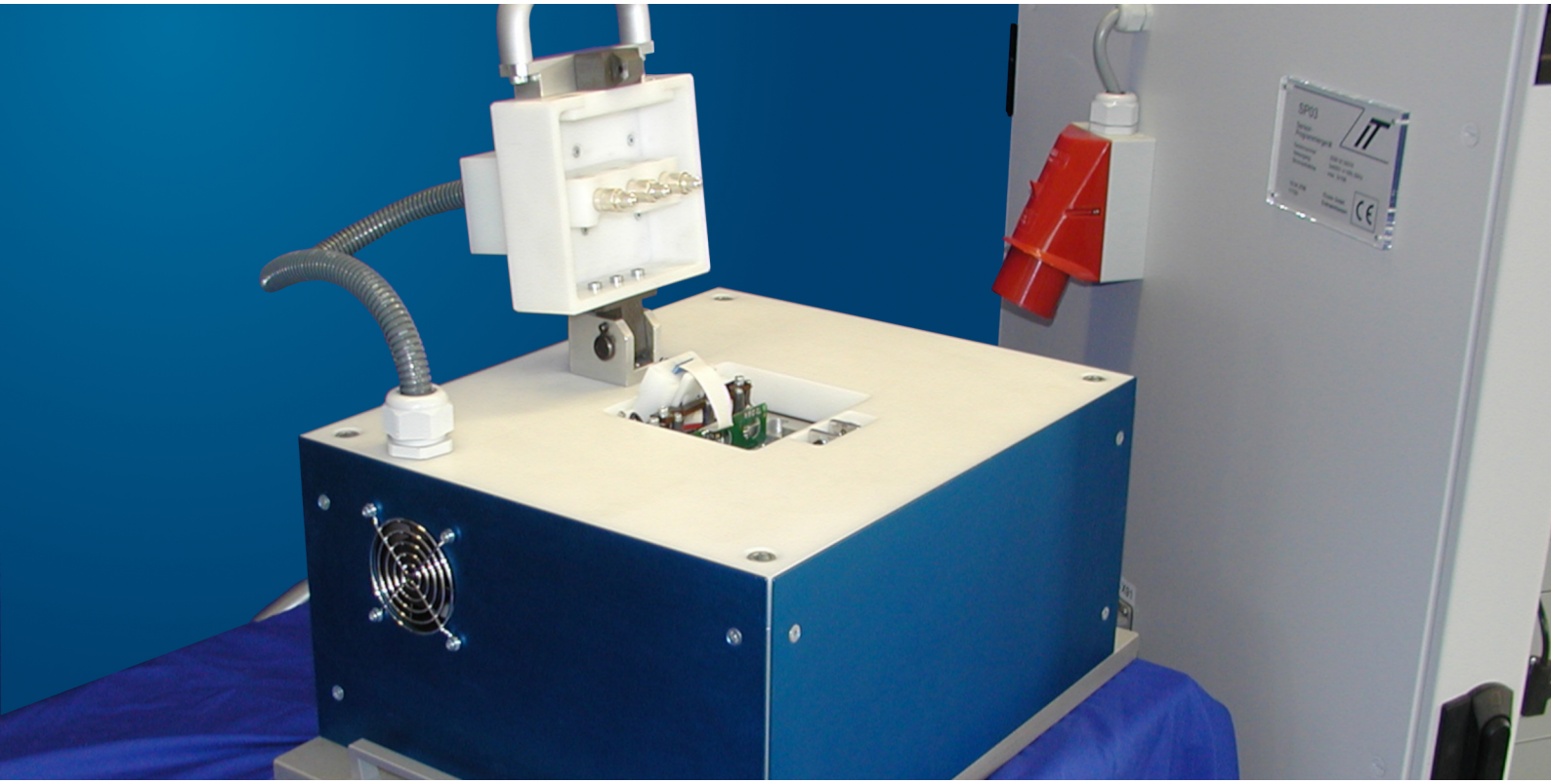

Programming station for linear Hall sensors

Product description

The programming station consists of a load rack, a control rack, a climatic chamber and a device for holding the specimens.

The system is used for programming and final testing of Hall sensors with ratiometric analog output.

Field of application

Research & Development, quality control and end-of-line test in the production/manufacturing area

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Software | Electronics | Sensors | Fixture | Control technology

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Programming station for linear Hall sensors

Technical data

Test bench/device

- Measuring and control technology in 19" rack
- Mechanical device with temperature controllable specimen holder
- Specimen holders for different specimen types can be quickly changed

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 "MES" enables variant-dependent testing by a higher-level system.
- Module „ITDB", incl. vITronic, enables evaluation and statistical processing of measurement data

Scope of testing

- Programming offset, sensitivity and temperature coefficient of analog Hall sensors (via ITronic universal sensor programmer) in try, burn and lock mode
- Measurement of current consumption, resolution 0.01 mA
- Active temperature control from room temperature to +80 °C using Peltier technology
- Current imprint 3-phase up to 80 A
- Electrical simulation magnetic field

Input-/visualisation units

- Keyboard
- Monitor

Dimensions/Transport

- 1200x1200x600 mm (WxHxD)

Test time

- Individual, depending on test scope

Exemplarly device type

- 368 1781