Practical Training in Sensor Technology
Learning Objectives:
✓ Types of sensors and how they work
✓ Testing and adjustment of sensors
✓ Applications of sensors
✓ Distance measurement and material detection

Sensors:
✓ inductive
✓ capacitive
✓ optical:
  - diffuse reflective sensor
  - retro-reflective sensor

Contents of Sensorics Box
80 700 4 test pieces (plastic white, plastic black, aluminium, stainless steel)
80 701 4 sensors (capacitive, inductive, 2 x optical with 1 reflector and a fastening bracket)
80 702 2 universal sensor holders for accommodation of cylindrical sensors 5 - 30 mm
80 703 1 set of fixing material for sensors 2 x slot nut
  2 x M4 threaded screws
80 704 1 mounting system 1 x profile girder for setting up test stations at any free place on the transfer system
80 618 1 workpiece carrier pallet dimensions: 119 x 119 x 15 mm
80 619 1 4-bit ident system 1 set, 4-fold
1 compartment for sensor test unit for accommodation of the sensor test unit (80 705)
... to practice!

Experiment routine
1. Task
2. Simplification / simulation
3. Work planning
4. Selection of sensors
5. Circuit diagram
6. Set-up of the measurement layout
7. Proving the function
8. Evaluation of the experiment
9. Parts list / calculation

Adjustment

Commissioning and troubleshooting

System function test
We request:

☐ further information

☐ be contacted by telephone

☐ quotation for ______ sets of workstations

Name, position

Company / institution / authority

Street, PO box

Post code, town/city, country

Telephone, telefax

E-mail

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