

Course Data acquisition using RFID and NFC

Includes:

- RFID-/NFC-Reader experiment card with integrated Antenna
- Measurement transponder RFID
- Measurement transponder NFC
- Transponder set
- 2 x BNC cables
- Labsoft course

Course contents:

- Overview of RFID/NFC technology
- Application areas of RFID/NFC systems
- Familiarisation with RFID/NFC system components
- Identifying various transponder types
- Learning about the operating frequencies of various RFID/NFC systems
- Naming the properties and reach of different RFID/NFC systems
- Learning the procedures for energy link and data transmission
- Transformer principle and electrical resonant circuit
- Auxiliary carrier modulation
- RFID standard
- NFC standard
- Data coding and transmission analysis
- Writing onto and reading from the transponder
- Assessing RFID/NFC messages
- Anti-collision procedure
- Standard commands and flags
- Course duration: approx. 4 h
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