

MP300 TCL2



- PCD testing easy like never before : introduction of automated reference PICC
- Support of all NFC modes
- Integrated inside Micropross Contactless Test Station
- NFC Forum validation tool
- Generation of EMD : check the immunity of your reader
- Supports ISO/IEC 14443 A/B, Mifare™, FeliCa™, ISO/IEC 15693, ISO/IEC 18092 (NFC-IP1 and NFC-IP2) protocols
- Numerous physical and protocolary adjustable parameters
- Gives the possibility to spy the exchange with the device under test
- Features chip impedance measurement, smartcard resonance frequency measurement and many other physical measurements
- Compatible with Very High BaudRate contactless smartcards

The main features of the MP300 TCL2 are :

- Compatibility with smartcards, RFID tags, inlays, e-Passports, micro-modules, and **NFC objects**
- Support of the **ISO/IEC 14443, ISO/IEC 15693, ISO/IEC 18092, Mifare™, FeliCa™** protocols
- Supports **NFC-IP1, NFC-IP2** specifications, in **all modes** (active, passive mode, in active and target variantes)
- Supports **all test cases** defined by the **NFC Forum** (analog and digital)
- Fully **implements NFC peer to peer** protocol
- Open for **implementation of custom protocols**
- Endless possibilities of **protocolary customisation**
- All **physical parameters can be adjusted** (field strength, carrier frequency, modulation index, ...)
- **Spy** of the exchanges happening between the tester and the tested object
- Accurate **timing measurement features**
- **Sequencer**, for a perfect test scenario repetition and advanced protocol testing
- Advanced **physical measurement functionalities** (chip impedance, resonance frequency measurement, field measurement)
- **Compatible with Micropross'Universal Contactless Bench** and ISO 18047 Test Bench
- Can be **synchronised with a MP300 TC3 or SC1**, for **analysis of dual interface smartcards, or NFC objects**
- **Open platform** : integrate the MP300 TCL2 inside your own test platform
- **Supplied with the MPManager software suite**, enabling the complete control of the tester without any programming knowledge
- Presence of numerous **business oriented interpreters**, including ICAO, EMV, NFC-IP1, NFC-Forum, for a better understanding of all spied exchanges.
- Tool is **already compatible with Contactless Very High Baudrate** (VHBR) testing, as proven in [this document](#)

This tester will typically be used in the following contexts :

- **Debug** of a smartcard operating system
- **Quality inspection** tasks
- **Compliance checking** of a smartcard with defined standards
- **Electrical qualification** of a smartcard or a micro-module
- **NFC testing** sessions

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