

MP300 SWP SPY

Laboratory Range

SWP Protocol Analyser



- ✓ ISO7816 and SWP signal analysis
- ✓ HDLC and HCI protocol analyzer
- ✓ Advanced measurements and tests functionality
- ✓ Mandatory R&D tool to optimize NFC product development time

MP300 SWP SPY Overview

MP300 SWP SPY is the most advanced spy on the market for both ISO7816 and SWP full duplex protocol. Thanks to its protocol analysis features MP300 SWP SPY is the essential tool for the development of NFC products.

MP300 SWP SPY Technical specifications

■ Programmable parameters

Trigger

Programmable trigger IN and trigger OUT signals

Threshold

Adjustable sensitivity

■ Protocols

ISO7816

T=0

T=1

SWP

ACT / SHDLC / CLT

HCI

Standard smartcard protocols

■ Events detection

ISO7816

Clock events (frequency change)

ETU change

Start bits and characters exchanged

Automatic detection of exchange's direction

SWP

Logical transitions on signals S1 and S2

Suspend, notify and resume states

SOF, EOF and characters exchanged

Bit stuffing and CRC errors detection

Up to 1.6 Mb/s

■ Spy

MP300SWP SPY is a non intrusive contact spy which supports ISO7816 and SWP protocol. It can be used for low-level signal analysis and provides advanced functionality such as current measurement.

■ Signal analysis

Simultaneous ISO7816 and SWP signal analysis
Transition on all signals (C1 to C8)
Internal clock resolution : 20 ns
Accurate current and voltage measurement

■ Protocol analysis

MP300SWP SPY offers through the MPScope software suite a friendly user interface to analyze and debug complex protocol exchange. MP300SWP SPY is full compliant to ISO/IEC and ETSI standards.

■ Our service

We provide you not only an useful product but also an efficient technical support and our experience. Micropross is at your disposal for any user requirement and integration support.

Micropross is an ISO 9001 V 2000 certified company.



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