



## **Move 2**

### **ISO/SWP/USB Monitoring Tool**

Move 2 is a reliable and accurate ISO/SWP/USB communication tracer. The device is capable of showing dependencies between the different protocols related to a Smart Card and can analyse and display the communication on electrical, protocol and application level. The integrated scope functionality is a unique feature for a trace tool.

# Move 2

## ISO/SWP/USB MONITORING TOOL

### Technical/Functional Details

#### General features

- Support of 1.2V, 1.8V, 3.0V and 5.0V Smart Cards
- Visualisation of physical, protocol and application layer

#### Monitoring capabilities

- ISO/IEC 7816 1-4
- USB according to ETS TS 102 600
- SWP according to ETSI TS 102 613
- SWP proprietary standards (Inside Contactless)
- HCI according to ETSI TS 102 622

#### Trigger Out

- Digital signal to trigger an external oscilloscope synchronised to the internal Analog Scope
- 1V signal level at 50Ω

#### SPI-Interface

- SPI-Interface with high speed differential line – driver/receiver
- Signals: CLK, CS, Din, Dout
- Customer-specific programmable

#### COMPRION SyncBus

- COMPRION specific high speed bus for time-synchronisation between different products and protocols
- 50Ω MCX-coaxial-system; daisy chain
- Summary view: all-protocol master view displays synchronised high-level information from all protocols in one display

### Product options

#### ISO Monitoring (ISO/IEC 7816)

- Digital monitoring
- Timing measurement on bit and byte level with a resolution of 20ns

#### USB interface (TS 102 600)

- Digital monitoring of the transmitted bytes/frames/bus-state

#### SWP Interface (TS 102 613)

- HCI visualisation
- SHDLC
- SWP Packets
- Digital monitoring of bits

#### Integrated 50MHZ digital storage oscilloscope

- Analog voltage measurements on contacts: Vcc, RST, CLK and I/O and SWP (C6)

- Voltage measurement resolution: approx. 2.5mV
- Analog current measurements on contacts Vcc and SWP (C6)
- Current measurement resolution dependant on channel
- Digital monitoring on all contacts and interfaces
- Adjustable recording depth: 4k – 16.7M
- Analog Channels: max. 2
- Digital channels: max. 16
- Trigger output for external measurement equipment

### Dimensions

- Dimension (W x D x H) appr.: 185 x 125 x 40 mm
- Weight: 0,9 kg

### Host requirements\*

- OS: Windows 2000/XP/Vista
- USB-Interface: USB 2.0
- RAM: min. 1GB
- Hard disc: min. 50MB
- Processor 2GHz or higher

\* Host is not part of the delivery

CE/FCC approval class A: This is a class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

## COMPRION

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