NTMAG II C

Smart Card and Ticket Analysis Tool

NTMAG II C is the ideal test equipment for:

➤ qualifying magnetic media
➤ verifying card production batches
➤ optimizing card production processes with specific software
➤ ensuring quality assurance and preventing magnetic weaknesses

NTMAGII C is an all-in-one equipment performing the following functions:

➤ analyzer for magnetic strip cards and tickets
➤ functional test for chip cards contact/contactless (Optional)

Provided with a complete software suite to operate the equipment in :

➤ expert mode (manual) for an advanced setup of the equipment and detailed analysis of the results
➤ production control mode (automatic) with a user-friendly interface

In both modes, results can be saved and easily exported for further statistical analysis.

Analyzer for magnetic stripe cards and tickets

Best suited to analyze magnetic stripes cards and tickets in ISO format with low and high coercivity (from 300 to 4200 Oersteds), encoded on ISO 1, 2 and 3 positions.

Compliant with ISO 7811-2 & -6 standards , ISO 10373-2 chapter 5.5 & 5.6

Functional Test for chip cards contact/contactless

The NTMAGII CP-CL tests, in one pass, information encoded into the chip module of contact and contactless cards. It also runs a consistency check between the encoded information on the magstripe and into the chip.

Specifications supported: EMV and Mifare.

Access **Evolution** **Productivity**

Technical characteristics

Operating System
Windows 7 Pro or Windows 10 Pro

Interfaces
USB 2.0

OSD languages
English, Spanish, French

Dimensions
W x D x H: 600 x 530 x 190 mm

Weight
17 Kg

Power supply
100-240VAC 47/63Hz

In compliance with E.C. directives

Associated products

➤ µCARD software for writing and running test scripts
➤ EMV software module for creating EMV card profiles

#	Fonctionnalities	Description
	Magnetic card	
01	Standards	ISO 7811-2 and -6, JIS I
		ISO 10373-2 chapter 5.5 & 5.6
02	Card thickness	ID-1 with thickness from 0.3mm to 0.84mm
		Also thin card or ticket from 0.127mm to 0.3mm (option)
03	Card type	Embossed or un-embossed
		Un-used cards or returned cards, transparent AmEx cards
04	Low coercivity	Encoded magnetic stripes from 300 to 600 Oersteds
05	High coercivity	Encoded magnetic stripe from 2500 to 4200 Oersteds
	ISO Measurements performed	
01	For encoded cards	Measurements:
		Amplitude
		Weakness (MULANN's measurement)
		Start of encoding
		Jitter
		Bit density
		Bit to bit analysis
		Transition to transition analysis
		Number of read characters
		Reading of the encoded words (ISO and DISEL coding)
		Parity
		LRC
		Binary table
		LRC
		CVV test and service code
		PCI DSS compliant
		Tracks 1, 2 and 3 are measured for LoCo & HiCo cards
	Software and connectivity	
01	Usage	Single card insertion
02	Utility	NTMAG.EXE to control tester
03	Automatic mode	Like GO/NOGO test to check batches of cards more rapidly. Compliant to ISO test methods
04	Manual mode	Mode to have in-depth analysis of the magnetic stripe and chip card (optional). Compliant to ISO test methods
05	Operating System	Windows 7 Pro (32 or 64 bits), Windows 10 Pro*
06	OSD languages	EN, SP, FR
07	Connectivity	USB 2.0 (with external PC)

* PC is not supplied. You can use your own PC that we will configure.

#	Fonctionnalities	Description
	Benefits	
01	Accuracy	± 0.3μm
02	Test time for one encoded card	Less than 2 seconds for each magnetic track
03	Numeric and graphic results	All at a glance
04	ISO Measurement unit	mm or inch, selectable
05	Printing results	With personalized Company logo
06	Double batches configuration	Yes
07	Saving files	Yes (text format readable by Excel utility)
08	Statistical results	Yes
09	Conformity certificate for a batch or a card	Yes
10	Read data batch after control	Yes
11	Password management	Yes
12	Barcode scanner identification	Yes
13	Calibration	Yes (reference cards delivered)
14	PCI-DISS compliant	Yes: display and saving
15	Option	EMV Chip test contact and contactless cards
16	Artwork of chip card	Available with database setting with chip test
	Calibration and correlation	
01	Calibration	Calibration at your own facility On all ISO tracks through Amplitude level of a tertiary reference card and 1 start of encoding card
02	Correlation	With 3 correlation encoded cards
03	Maintenance	Serviceable by end-user: Change readers at your location

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#	Fonctionnalities	Description
	Magnetic heads	
01	Read LoCo and HiCo	Width: 1.321 / 1.422 mm – 0.052 / 0.056 in Gap length: 12.7 µm ± 10 % – 0.0005 in. ± 10 %
02	Card position	Position Accuracy: ± 0.3 µm. Acquisition step: 280 000
03	Conveyor speed	Speed value: 200 mm/s – 7.87 in/s. Speed stability: ± 0.5 %
04	Measurement stability	Average results: ± 2 % : Extreme results: ± 4 %
	General	
01	AC power	100V-240V, 47-63Hz
02	Regulatory	CE marking
03	Environment	Standard operating conditions +23°C ± 3°C, 73.4°F ± 37.4°F Humidity 40% to 60% Extreme operating limits +10°C to +35°C, +50°F to +95°F Storage and shipping -10°C to +50°C , -14°F to +122°F
04	Dimensions	60(w) x 53(d) x 19(h) cm
05	Weight	23 kg net
	Accessories	
01	Documentation	One user manual in English, one maintenance manual in English
02	Transport	One wooden crate for transport (NIMP15 phyto-sanitary)