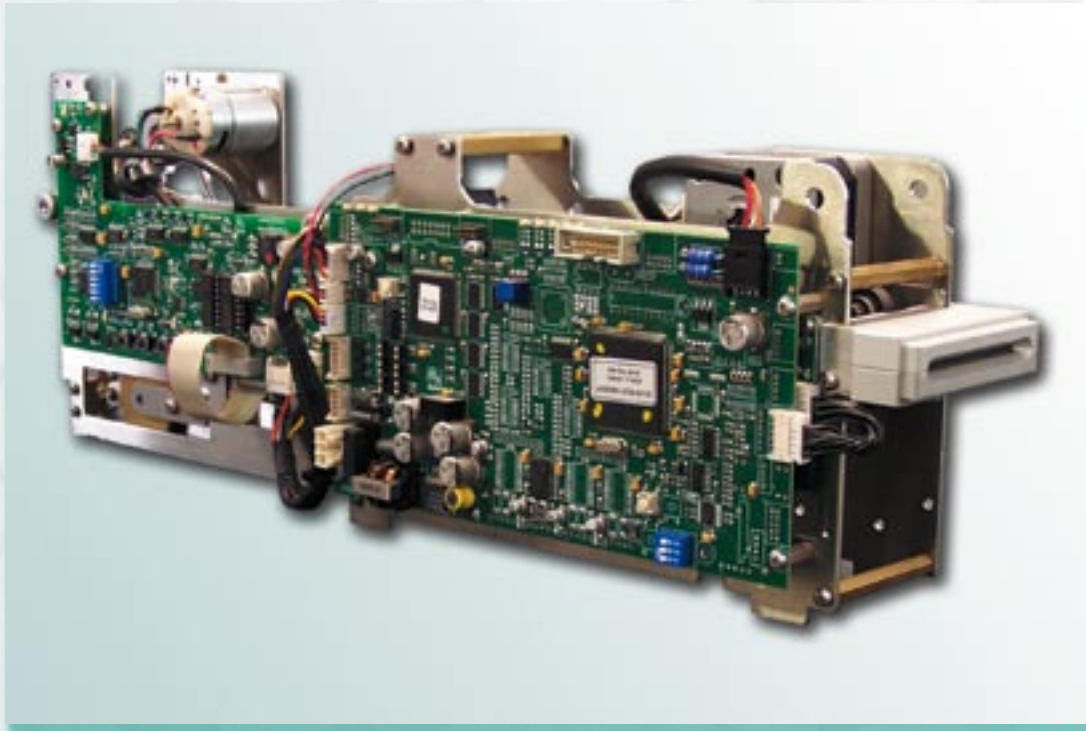


METRO 43/54

fast validating machine with
longitudinal printer down



Description

The **METRO 54** module is a high performance validator born from the evolution of special machines based on the module ENC_RISC. All main features remain but the **METRO 54** is not a modular device and all groups of which it is composed are integrated in the main one.

The **METRO 54** is a validator for tickets with thickness between 0.18 mm. and 0.27 mm and with following features:

1. High configurability of magnetic tracks. It can manage up to 4 magnetic heads in central and/or lateral, or in upper and/or lower position.
2. Validation time in less than 1,5 sec.
3. Longitudinal impact printer on lower side of the ticket
4. The validator is available in version for tickets of 54x85,6 mm (ISO format) or for tickets of 95x43 mm

Mechanical structure

This module is compact and equipped with a roller transport system. Ticket transport is guaranteed by a stepping motor and by the rubber of the rollers that avoids slipping during managing operations.

Optional devices available on request:

- R/W IC unit
- Laser reader for barcodes
- R/W contactless cards unit
- Shutter for front opening

Technical features of the base version

Encoding and reading of ISO2 standard lateral magnetic tracks at 75 bpi, or in central position
LoCo magnetic encoding
Ticket and card management with variable thickness from 0.18 up to 0.8 mm
Front opening for ticket introduction
LCD display interface

Options available for base version

- Reading and encoding of ISO1 and ISO3 tracks at 210 bpi
- Reading and encoding of one or two TRANSAC tracks
- HiCo and LoCo magnetic encoding
- Shutter with pre-head
- R/W I/C card or contactless card unit
- Scanner laser for barcodes
- RS 232 interface for external or internal contactless card reader

Features of the CPU RISC board

The module is controlled by the Fujitsu CPU RISC 32 bit with resident firmware.

The board has following features:

- CPU RISC 32 bit Fujitsu
- Ram Memory up to 512 KB
- Flash Memory 512 KB

Available options for base CPU board

- I/C Card control interface
- Shutter control interface
- I/O optocoupled (3 Input and 3 Output).
- Contactless Card control interface
- LCD display 1x8 up to 2x40 characters.

Technical data

Dimensions vers. 43/54 (mm.)	153(H) x 388,3(L) x 94/105,2(W)
Power supply	24 V _{cc} – 2,5 A max vers. LoCo
	3.6 A max vers. HiCo
Operative speed	Up to 800 mm/Sec.
No. Printable characters per line	from 40 to 65
Printable area (ticket 54x85.6 mm / 43x95 mm)	11.5 x 81.6 mm. / 16 x 91 mm
Average life magnetic heads	> 1.000.000 cycles
Average life printing heads	> 10.000.000 characters
Average life inked ribbon	1.000.000 characters
Interface	EIA RS232C, RS422/485
Protocol	Asynchronous 19.200 bps 7 bit, even, 1 stop

Adel s.r.l. Reserves the right to change technical data without advise



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