



FUTURA 4/MX VALIDATOR

Electronic validator
for contactless smart card
and magnetic stripe tickets



Two technologies in the same unit

Futura 4/MX is the proven electronic validator from AEP that joins the technology of contactless smart card with the one of magnetic stripe tickets, that require a sophisticated mechanical gear.

Completely designed with most recent CAD systems (Computer Aided Design) and build by CAM (Computer Aided Manufacturing) techniques, Futura4/MX has an high precision aluminum mechanical structure.

AEP, Innovatron licensee, internally developed the ISO 14442B/Calypso contactless technology. Futura4/MX, can, therefore, process virtually any kind of card.

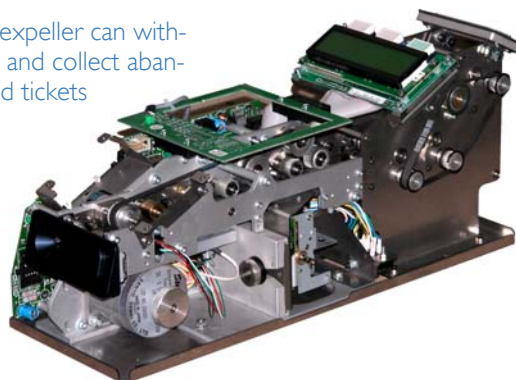
Futura4/MX electronic is based on an open and advanced architecture that allows to construct the applications necessary to constitute the base of modern Automatic Fare Collection Systems.



Futura4/MX can operate alone or integrated in an on board system from AEP or other manufacturers, thanks to its open architecture.

Also for turnstiles

EPU expeller can withdraw and collect abandoned tickets



Futura 4/MX is available also in turnstile arrangement, together with the presenter expeller unit and can be used in train/metro access gates, and can be easily interfaced to the station control network.

TECHNICAL SPECIFICATIONS

Magnetic validation	ISO ENV-753 tickets with needle impact printing independent from inserting direction
Smart card contactless	ISO 14443A-B, Calypso, ISO 15693, Philips MIFARE, Felica, e-NFC
Memory	512K FLASH, 2M RAM, up to 4G FLASH by SD/MMC module
Automatic saving daylight switch	✓
Display	LCD 2 rows x 16 large characters, backlit
4 key external keyboard	✓
Audible alarm	✓
Interfaces	RS-232, RS-485, W-LAN (IEEE 802.11b), GPRS, GPS
Dimensions, mm	188L x 158P x 300H
95/54/CE homologation ("e" brand)	✓
Meets CEI EN 50155 for shock and vibration	✓
CE brand	✓

Some of above features are optional

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Via dei Colli, 240 Signa (Florence, Italy) – 0039/055/87.32.606
www.aep-italia.it info@aep-italia.it