



(RF) Radio-Frequency

MONO SYSTEMS

AMERSEC® RF MONO systems range consists of 3 types of advanced one-pedestal transceiver systems.

RF NG MONO is a part of our Next Generation system range. It is fully programmable and allows for remote maintenance and StoreMonitor data management. The system uses low-power pulsed technology for excellent detection of all hard tags and soft labels. In addition, NG MONO has enhanced resistance to all DUAL transmitters which allows the system to be installed in many types of locations or environments. The systems are generally supplied in 8.2 MHz but we also offer these systems in 3.25 MHz.

RF HF MONO is designed for protection of supermarket checkouts but is also quite frequently used by smaller retailers for protection of stores with limited space at the entrance. The system uses low-power pulsed technology for excellent detection of all hard tags and soft labels. HF MONO systems are generally supplied in 8.2 MHz but we also offer these systems in higher frequencies such as 9.5 MHz and 10.5 MHz.

RF LF MONO is a basic one-pedestal transceiver system which is designed for stores which use only hard tags. It is a pulsed non-swept system supplied in low frequencies for which soft labels are not available.

PERFORMANCE:

TAG/LABEL SIZE	NG MONO ¹	HF MONO ¹	LF MONO ¹
Soft Label 4 x 4 cm	2x 80 cm	2x 75 cm	×
Soft Label 5 x 5 cm	2x 100 cm	2x 95 cm	×
AMERSEC® Picco 50 Tag	2x 120 cm	2x 110 cm	2x 80 cm

¹Tested with AMERSEC® tags in all orientations, depending on environment.

SYSTEM COMPARISON:

	NG MONO	HF MONO	LF MONO
PC tuning	✓	×	×
Remote maintenance	✓	×	×
StoreMonitor data management	✓	×	×
Advanced DSP	✓	✓	×
Basic DSP	×	×	✓
Swept technology	✓	✓	×
Passive antenna compatibility	✓	✓	✓
Automatic tuning mode	×	✓	×
Directional sensors	✓	×	×
Air synchronization	✓	✓	✓
Cable synchronization	✓	✓	✓
Plug & Play principle	×	✓	✓
Installation	***	**	*

* Easy ** Intermediate *** Advanced

FEATURES:

- Transceiver principle
- StoreMonitor data management
- Remote tuning/maintenance
- Event management
- Compatible with MetalSpy/NG MetalMagnetSpy
- Digital oscilloscope functions
- Air or cable synchronization
- Environment scanning for automatic sensitivity adjustment
- Decoration light for all acrylic designs

OPTIONS:

- Inbuilt Visitor Counter
- Inbuilt MetalSpy
- Inbuilt NG MetalMagnetSpy
- StoreMonitor data management
- Customized colors

TECHNICAL SPECS:

- Input: 15 V AC
 - Consumption: max 9 W (max 12 W NG MONO)
 - Center Frequency: NG MONO 8.2 MHz / 3.25 MHz
HF MONO 8.2 MHz / 9.5 MHz / 10.5 MHz
LF MONO 1.81 MHz - 8.1 MHz
- Sweep Range: NG MONO +- 800 kHz
HF MONO +-600 kHz
LF MONO N/A

COMPLIANCE:

- ETSI EN 300 330-2 V1.1.1:2001
- ETSI EN 300 330-1 V1.3.1:2001
- ETSI EN 301 489-3 V1.3.1:2001
- ETSI EN 301 489-1 V1.3.1:2001 clause 7 - Emission

Designs

ALUCLASSIC 30



Height	1523 mm
Width	294 mm
Depth	52 mm
Weight	4.5 kg
Base	294 x 52 mm
Advertising area (visible)	-

Features	Standard	Optional
RGB light	x	x
Decoration light	x	x
Directional Visitor Counter	x	x
MetalSpy loop	x	x
MagnetSpy antenna	x	x
Advertising	x	x
Color options	silver/black/white	x
Antenna stand	x	✓

ALUCLASSIC BASIC 30



Height	1523 mm
Width	294 mm
Depth	52 mm
Weight	5.4 kg
Base	294 x 52 mm
Advertising area (visible)	-

Features	Standard	Optional
RGB light	x	x
Decoration light	x	x
Directional Visitor Counter	x	x
MetalSpy loop	x	x
MagnetSpy antenna	x	x
Advertising	x	x
Color options	silver/black/white	x
Antenna stand	x	✓

ALUCLASSIC PLEXI 30



Height	1523 mm
Width	294 mm
Depth	52 mm
Weight	5.6 kg
Base	294 x 52 mm
Advertising area (visible)	-

Features	Standard	Optional
RGB light	x	x
Decoration light	x	x
Directional Visitor Counter	x	x
MetalSpy loop	x	x
MagnetSpy antenna	x	x
Advertising	x	x
Color options	silver/black/white	x
Antenna stand	x	✓

ALUPROFI 40



Height	1525 mm
Width	387 mm
Depth	62 mm
Weight	9.7 kg
Base	389 x 64 mm
Advertising area (visible)	1456 x 303 mm

Features	Standard	Optional
RGB light	✓	x
Decoration light	x	x
Directional Visitor Counter	x	✓ ¹
MetalSpy loop	x	✓ ¹
MagnetSpy antenna	x	✓ ¹
Advertising	✓	x
Color options	silver/black/white	✓
Antenna stand	x	✓

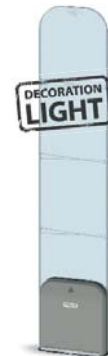
ALUPROFI PLEXI 40



Height	1525 mm
Width	387 mm
Depth	62 mm
Weight	8.3 kg
Base	389 x 64 mm
Advertising area (visible)	-

Features	Standard	Optional
RGB light	✓	x
Decoration light	x	x
Directional Visitor Counter	x	✓ ¹
MetalSpy loop	x	x
MagnetSpy antenna	x	x
Advertising	x	x
Color options	silver/black/white	✓
Antenna stand	x	✓

CRYSTAL SMART 30



Height	1517 mm
Width	300 mm
Depth	20 mm
Weight	13 kg
Base	314 x 298 x 110 mm
Advertising area (visible)	-

Features	Standard	Optional
RGB light	✓	x
Decoration light	✓	x
Directional Visitor Counter	x	x
MetalSpy loop	x	x
MagnetSpy antenna	x	x
Advertising	x	x
Color options	silver/black/white	x
Antenna stand	x	x

CRYSTAL CLEAR 35



Height	1510 mm
Width	350 mm
Depth	20 mm
Weight	14.8 kg
Base	350 x 266 x 57 mm
Advertising area (visible)	-

Features	Standard	Optional
RGB light	✓	x
Decoration light	✓	x
Directional Visitor Counter	x	x
MetalSpy loop	x	x
MagnetSpy antenna	x	x
Advertising	x	x
Color options	anthracite	✓
Antenna stand	x	✓



Integrated Solutions

2in1 – Visitor Counter

Available for following designs:
ALUPROFI 40, ALUPROFI PLEXI 40

3in1 – MetalSpy and Visitor Counter

Available for following designs:
ALUPROFI 40

4in1 – NG MetalMagnetSpy and Visitor Counter

Available for following designs:
ALUPROFI 40



¹Requires min. two systems.