

EXS-40R

Innovative Digital Radiography System



CE 0434

ISO9001 ISO13485



EXS-40R

High Performance and Reliability

The newly designed EXS-40R diagnostic X-ray system provides an analogue radiographic room that perfectly fits your workflow and budget, which can be easily upgraded to DR system with the help of DR interface and PC interface in the generator as well as Bucky suitable to Flat Panel Detector.

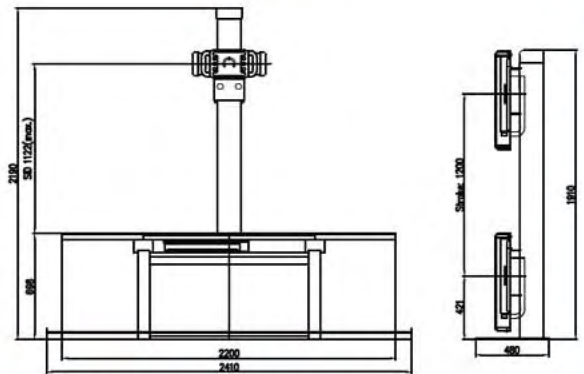
EXS-40R X-ray system is designed for operator and patient comfort with the moving components specially designed to reduce electromechanical lock noise.

Experience the quality, durable and user-friendly operation for all applications with the EXS-40R X-ray system.

Innovative Digital Radiography System

Specification

Model Name	EXS-40R
System Power Requirement	
Line Voltage	230V, 50/60Hz
Line Phase	1P (Single-Phase)
X-ray Tube	
kVp Range	40 ~ 125kV
Focal Spot Size	1.0/2.0mm
Maximum mA Rating	500mA
Target Angle	16°
Anode Heat Storage Capacity	140kHU
Anode Rotating Speed	2700rpm@50Hz 3200rpm@60Hz
Target Construction	Rhenium-Tungsten
Permanent Filtration	0.9mm Al@75kV
X-ray Generator	
Power Rating	40kW
Line Nominal, Phase	230V, 1P, 50/60Hz
Method	High Frequency Inverter
kV Range	40 ~ 125kV, 1kV step
mA Range	10 ~ 500mA, 18 steps
Timer Range	1m ~ 10s, 36 steps
mAs Range	0.1 ~ 500mAs
Maximum Power Output	500mA@80kV 400mA@100kV 320mA@125kV
Rotor Supply	Low Speed Starter (LSS)
Anatomical Programs	Max. 2000 programable
Technique Selection	4-point & 2-point control
Image Receptors	2 Buckys + 1 Non-Bucky
Collimator	
Method	Manual Adjustment
Maximum X-ray Tube Voltage	150kVp
Maximum X-ray Light Field	48X48cm@SID100cm
Lamp Timer	Push-button/30s Timer
Projection Lamp	LED 24V, 1A
Dimension	225W x 240D x 185H
Inherent Protection	1.2mm AL Eq.
Weight	5kg
Patient Table	
Type	4-way Float-Top
Dimension	2200W x 820D x 720H
Longitudinal Travel	±450mm
Transverse Travel	±150mm
Weight	130kg
Tube Stand	
Column Height	2190mm
Vertical Travel	1300mm
Transverse Travel	300mm
Longitudinal Travel	1700mm
Longitudinal Rail Length	2400mm
Column Rotation	over ±90°
Tube Rotation	±180°
System Weight	210kg
Wall Bucky Stand	
Column Height	1910mm
Vertical Travel	1200mm
System Weight	80kg



Other Component



Compatible bucky stand

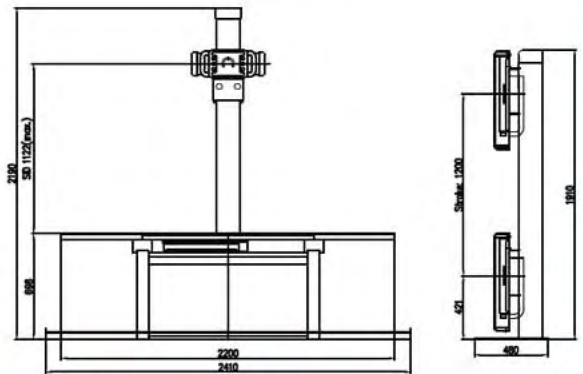


OP console

Innovative Digital Radiography System

Specification

Model Name	EXS-52R
System Power Requirement	
Line Voltage	400V, 50/60Hz
Line Phase	3P (Three-Phase)
X-ray Tube	
kVp Range	40 ~ 150kV
Focal Spot Size	0.6/1.2mm
Maximum mA Rating	1000mA
Target Angle	12°
Anode Heat Storage Capacity	300kHU
Anode Rotating Speed	2700rpm@50Hz 3200rpm@60Hz 9700rpm@180Hz
Target Construction	Rhenium-Tungsten
Permanent Filtration	0.9mm Al@75kV
X-ray Generator	
Power Rating	52kW
Line Nominal, Phase	400V, 3P, 50/60Hz
Method	High Frequency Inverter
kV Range	40 ~ 150kV, 1kV step
mA Range	10 ~ 640mA, 19 steps
Timer Range	1m ~ 10s, 36 steps
mAs Range	0.1 ~ 500mAs (optional)
Maximum Power Output	640mA@80kV 500mA@100kV 400mA@130kV 320mA@150kV
Rotor Supply	Low Speed Starter (LSS) Dual Speed Starter (option)
Anatomical Programs	Max. 2000 programable
Technique Selection	4-point & 2-point control
Image Receptors	2 Buckys + 1 Non-Bucky
Collimator	
Method	Manual Adjustment
Maximum X-ray Tube Voltage	150kVp
Maximum X-ray Light Field	48X48cm@SID100cm
Lamp Timer	Push-button/30s Timer
Projection Lamp	LED 24V, 1A
Dimension	225W x 240D x 185H
Inherent Protection	1.2mm AL Eq.
Weight	5kg
Patient Table	
Type	4-way Float-Top
Dimension	2200W x 820D x 720H
Longitudinal Travel	±450mm
Transverse Travel	±150mm
Weight	130kg
Tube Stand	
Column Height	2190mm
Vertical Travel	1300mm
Transverse Travel	300mm
Longitudinal Travel	1700mm
Longitudinal Rail Length	2400mm
Column Rotation	over ±90°
Tube Rotation	±180°
System Weight	210kg
Wall Bucky Stand	
Column Height	1910mm
Vertical Travel	1200mm
System Weight	80kg



Other Component



Compatible bucky stand

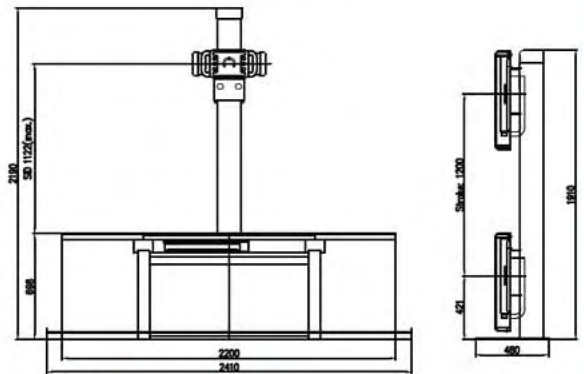


OP console

Innovative Digital Radiography System

Specification

Model Name	EXS-68R
System Power Requirement	
Line Voltage	400V, 50/60Hz
Line Phase	3P (Three-Phase)
X-ray Tube	
kVp Range	40 ~ 150kV
Focal Spot Size	0.6/1.2mm
Maximum mA Rating	1000mA
Target Angle	12°
Anode Heat Storage Capacity	300kHU
Anode Rotating Speed	2700rpm@50Hz 3200rpm@60Hz 9700rpm@180Hz
Target Construction	Rhenium-Tungsten
Permanent Filtration	0.9mm Al@75kV
X-ray Generator	
Power Rating	68kW
Line Nominal, Phase	400V, 3P, 50/60Hz
Method	High Frequency Inverter
kV Range	40 ~ 150kV, 1kV step
mA Range	10 ~ 800mA, 20 steps
Timer Range	1m ~ 10s, 36 steps
mAs Range	0.1 ~ 500mAs (optional)
Maximum Power Output	800mA@80kV 640mA@100kV 500mA@130kV 400mA@150kV
Rotor Supply	Dual Speed Starter (DSS)
Anatomical Programs	Max. 2000 programable
Technique Selection	4-point & 2-point control
Image Receptors	2 Buckys + 1 Non-Bucky
Collimator	
Method	Manual Adjustment
Maximum X-ray Tube Voltage	150kVp
Maximum X-ray Light Field	48X48cm@SID100cm
Lamp Timer	Push-button/30s Timer
Projection Lamp	LED 24V, 1A
Dimension	225W x 240D x 185H
Inherent Protection	1.2mm AL Eq.
Weight	5kg
Patient Table	
Type	4-way Float-Top
Dimension	2200W x 820D x 720H
Longitudinal Travel	±450mm
Transverse Travel	±150mm
Weight	130kg
Tube Stand	
Column Height	2190mm
Vertical Travel	1300mm
Transverse Travel	300mm
Longitudinal Travel	1700mm
Longitudinal Rail Length	2400mm
Column Rotation	over ±90°
Tube Rotation	±180°
System Weight	210kg
Wall Bucky Stand	
Column Height	1910mm
Vertical Travel	1200mm
System Weight	80kg



Other Component



Compatible bucky stand



OP console

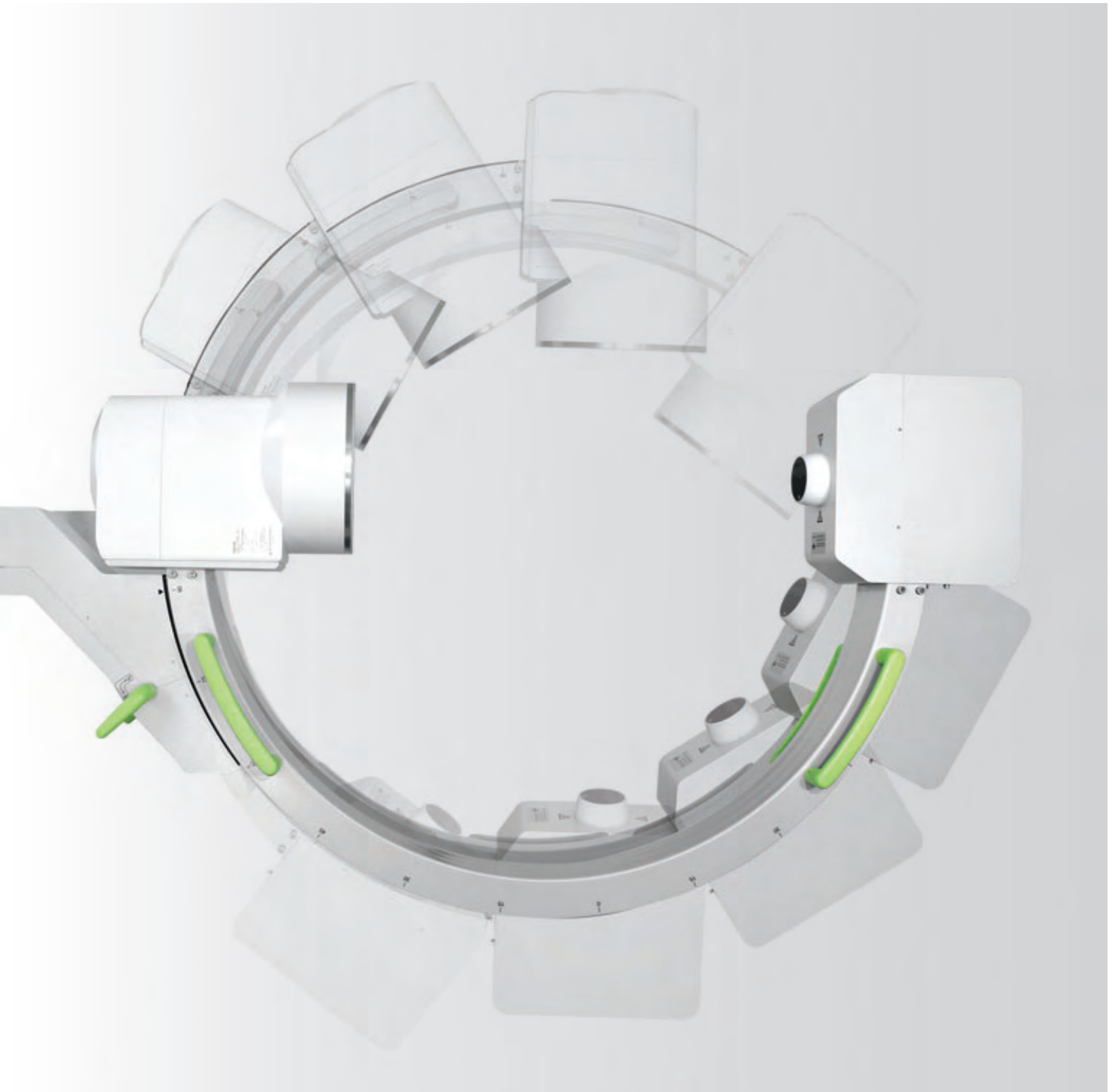
FDA Approved



C US ISO9001 ISO13485

The Smart Intelligent C-arm System

Anyview Series



"Premium Performance & Value"

eco & electronics
ecoTRON

C-arm's start to finish is the x-ray generator and image.

Anyview Series - Experience the best x-ray generator and supreme image quality.



The Smart Intelligent C-arm System **Anyview Series**

Compare and Choose!

- Anyview Series - now the new standard of C-arm!
- High-priced premium class specifications at an economical cost!
- Compact design-compare directly!

The generator technology is the fundamental of x-ray. Through an Advanced X-ray Generator technology, you can experience the following.

○ Advanced X-ray Generator technology

- As soon as the foot switch is stepped on, you can visualize the image through the x-ray's fast response speed.
- Through 8, 15, 30Hz pulsed frequency, the level of radiation is reduced.

○ IDR mode (Intelligent Dose Reduction)

- This is a technology that gains the best image through minimum radiation dose.
- With just one switch selection, low dose function is automatically activated.

○ Digital spot mode

- High-resolution image mode for a detailed image reading.

○ AIIP (Anyview Intelligent Image Processing Module)

- No more slow and buffering images-AIIP image module is loaded, offering high-resolution, high-definition images.
- 30 frame high-definition images in any fluoro mode.

○ Virtual Collimator

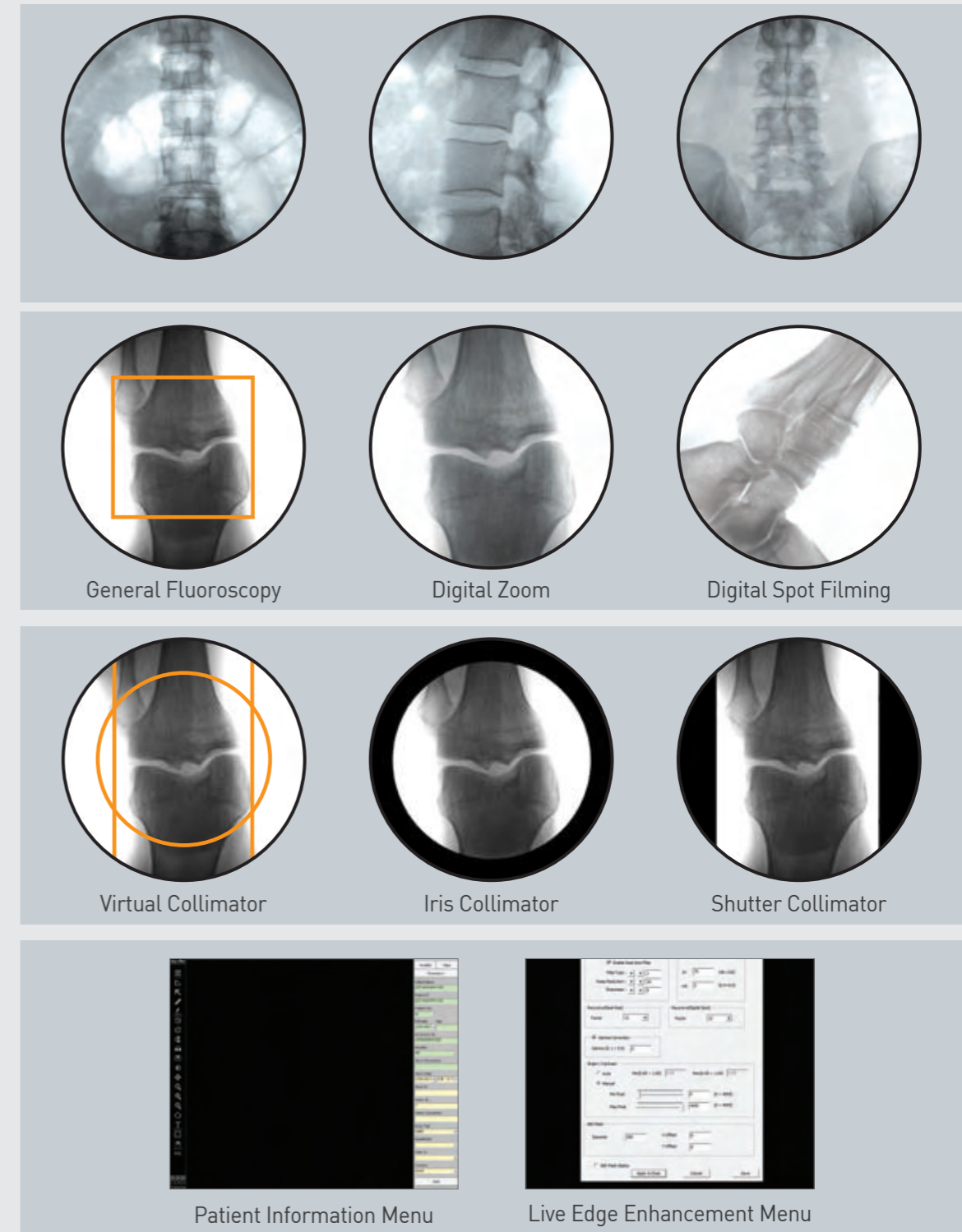
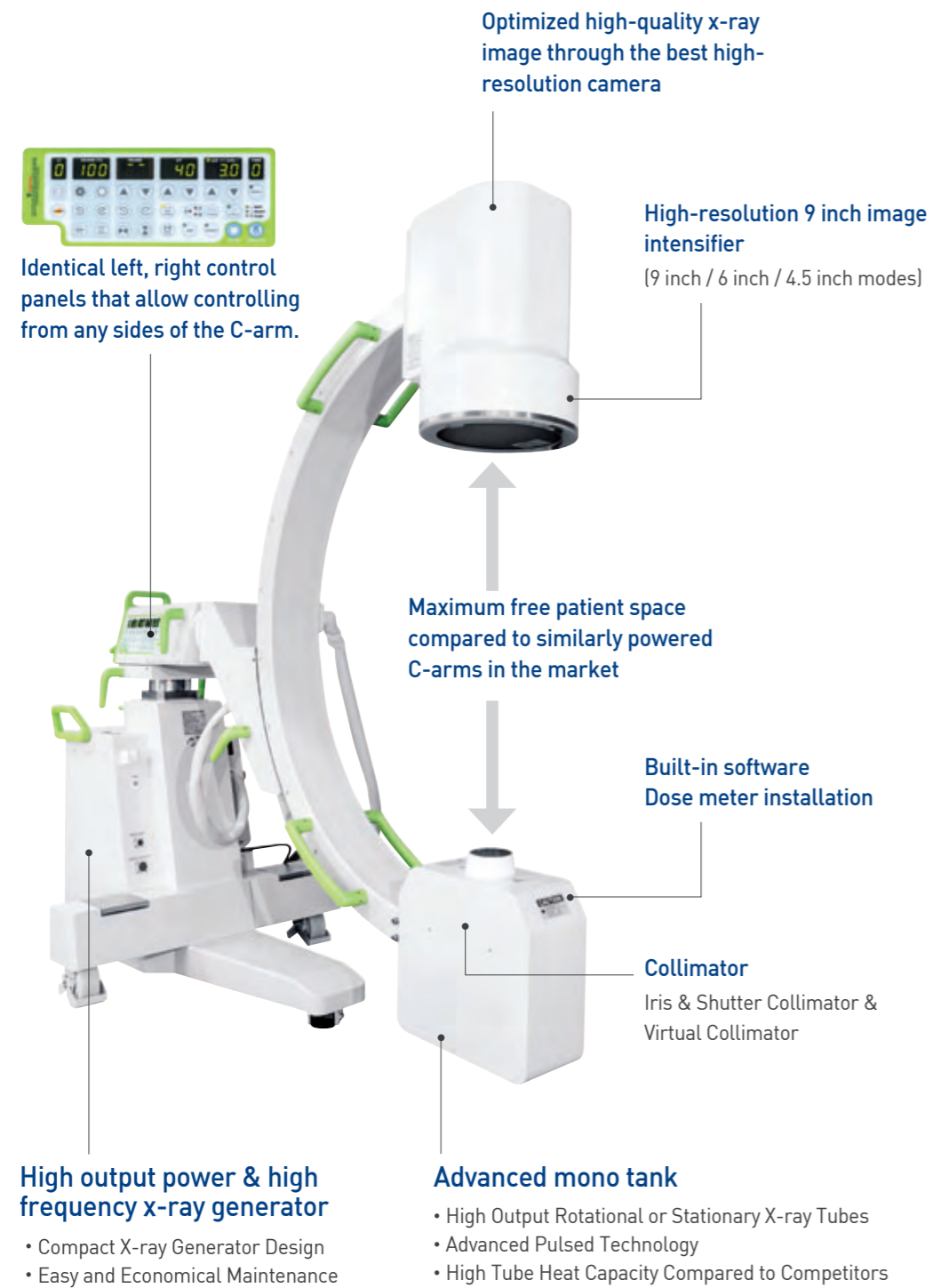
- When setting the x-ray radiation field, virtual field setting is possible without additional x-ray exposure.
- When setting the x-ray image field, unnecessary radiation exposure can be reduced.

○ Built-in Software DAP

- The patient dosage is shown through the Anyview Series built-in software DAP without hardware DAP installation.
- DAP information can be stored in Patient image information.

The Smart Intelligent C-arm System
Anyview Series

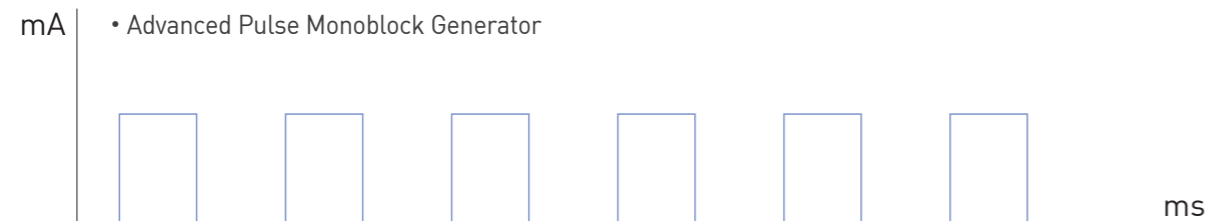
**Anyview Premium
 High Resolution Imaging**



Advanced Pulse Technology Generator

Minimum dose and Best quality

- Perfect pulse generating implemented through Advanced Pulse Technology
- Imperfect pulse generating will not only increase the patient and operator's absorbed dose (increased rising / falling time) but also downgrade the image quality.
- Advanced Pulse Fluoroscopy will perfectly implement imaging with lower patient dose.



The perfect pulse generating technology implemented by Advanced Pulse Technology will minimize radiation dose and create the best image quality.



Intelligent Dose Reduction

Minimum dose and Best quality

01

Image Area

Select the body part of an anatomy, automatically optimize the body part's kV, mA setting and dose.

02

Intelligent dose reduction

Select mode
ABS mode, Pulse mode (30 or 15 or 8 fps), activation

03

Lower pulse frequency and pulse width to reduce dose

04

Align laser cross pointer on the imaging area

05

Virtual Collimator

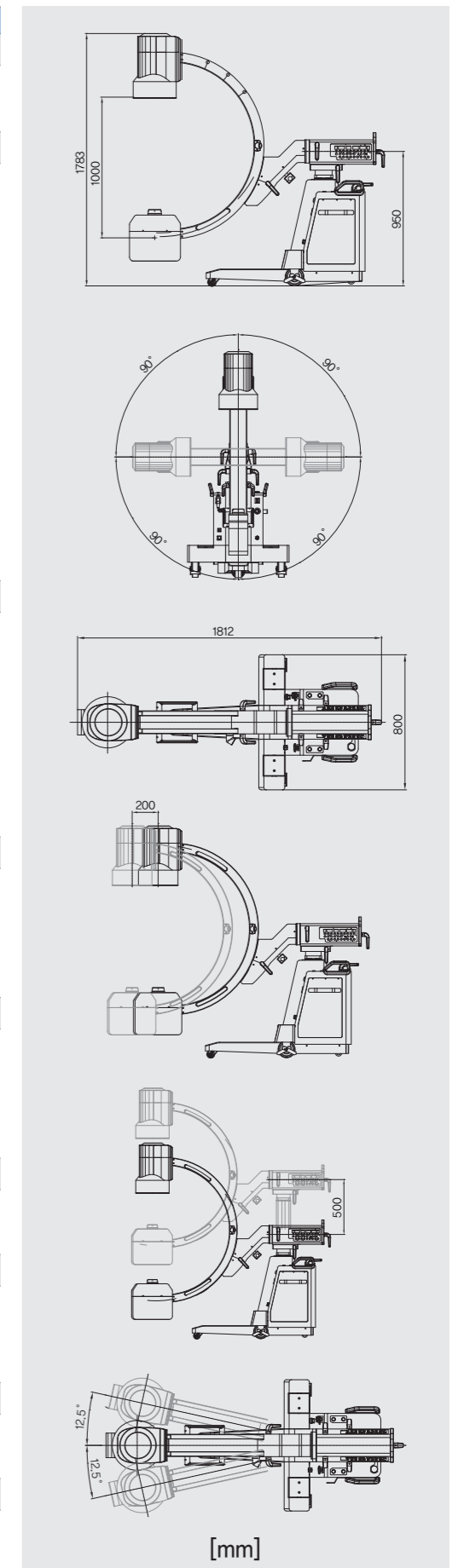
align collimator on imaging area without x-ray usage

06

AIPP (Anyview Intelligent Image Processing)
When using the automatic dose reduction mode.

Specifications

Model Name	Anyview-500S	Anyview-500R
1) System power requirement		
(1) Line voltage	110V/220V 50/60Hz	110V/220V 50/60Hz
(2) Line phase	Single	Single
2) X-ray Generator		
(1) Type	HFG INVERTER	HFG INVERTER
(2) Output power	5.0kW	5.0kW
(3) Fluoroscopy		
- Continuous mode	0.5-5mA	0.5-10mA
- Pulsed mode	0.5-5mA	0.5-20mA
- Boost mode	20mA	30mA
- Boost Pulsed mode	20mA	30mA
- ABS mode	YES	YES
- Digital spot mode	YES	YES
(4) Radiography mode		
- kV range	40-120kV	40-125kV
- mA range	20-100mA	20-100mA
- mAs range	0.4-100mAs	0.8-200mAs
3) X-ray tube		
(1) X-ray tube type	Stationary	Rotating
(2) Max kV	120kV	125kV
(3) Focal spot		
- Small	0.6mm	0.3mm
- Large	1.8mm	0.6mm
(4) Target angle	15°	10°
(5) Anode heat storage capacity	40kJ	150kJ
4) Collimator		
(1) Type	Motorized	Motorized
(2) Opening/Closing	2 way	2 way
(3) Rotation	360°	360°
(4) Iris	Motorized	Motorized
5) Image Intensifier		
(1) Input field view size(Inch)	9inch	9inch
(2) Nominal entrance field size(inch)	9/6/4.5 inch	9/6/4.5 inch
(3) Central resolution(lp/cm)	52/58/68	52/58/68
(4) Contrast ration(10%)	30	30
6) High resolution Digital Camera		
(1) Type	CCD	CCD
(2) Pixel Size	1K*1K	1K*1K
7) Monitor (Included by Monitor stand)		
(1) Type	TFT-LCD DUAL	TFT-LCD DUAL
(2) Sizelinch)	19	19
(3) q'ty	2	2
8) Digital Imaging System(DIS)		
(1) Type	Anyview Imaging System	Anyview Imaging System
9) Option		
(1) DAP	YES	YES
(2) DSA	YES	YES





Innovative Mobile X-ray System

ULTRA 30HF

- Most compact size and lightest weight.
- Provide high resolution imaging at lower dosages.
- Design for Reliability.
- Soft Touch Controls with Digital displays.
- Calibrated cassette size indicator dials
- Wide range of anatomical programs
- Cost effective.
- Two stage dynamic, Auto line compensation.
- CR/DR Compatible
- High frequency



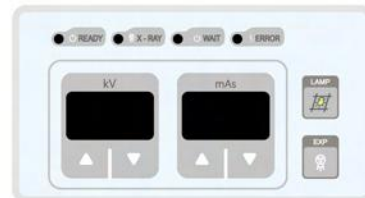
Innovative Mobile X-ray System

Specification

OUTPUT POWER		5 KW
INPUT POWER	Voltage	200V-264V
	Phase & Frequency	Single / 50 / 60Hz
kV Range		50~110kV / 1kV step
mA Range		20 ~ 100mA
mAs Range		0.4 - 100mAs
Display		KV / mAs / Sec : 7-segment LED type
X-ray tube	Focal Spot	1.8mm x 1.8mm
	Target Angle	15 degree
	Anode Heat Storage	30000J
	Collimator	Type
	Min X-ray Field Size	≤ 5cm x 5cm @1m SID
	Max X-ray Field Size	40cm x 40cm @75cm SID
	Laser Pointer	Class : III A 5mW
	Timer	Push button illuminator with 30 sec timer
	Lamp	24V 50W Halogen
Net weight		150kg
G weight		170kg



Main Operation Console



HFG Header Console

EPX-F5000

  
ISO9001 ISO 13485

Most High-Power Digital Portable X-ray EPX-F5000(5kW/110kV/100mA)

- Innovation designed Ultra-Light, High frequency portable x-ray.
- EPX-F5000 has wide input voltage 200V~264V without power loss.
- User friendly control and ergonomic design.
- Provide high resolution imaging at lower dosages.



Specifications

OUTPUT POWER		5 KW
INPUT POWER	Voltage	200V-264V
	Phase & Frequency	Single / 50/60 Hz
kV Range		50~110kV/1kV step
mA Range		20~100mA
mAs Range		0.4~100mAs
Display		KV /mAs/Sec: 7-segment LED type
X-ray tube	Focal Spot	1.8mmx1.8mm
	Target Angle	15 degree
	Anode Heat Storage	30000J
Collimator	Type	Double slit type, Manually operation
	Min X-ray Field Size	≤5cm x 5cm @1m SID
	Max X-ray Field Size	40cm x 40cm @ 75cm SID
	Laser Pointer	Class : III A 5mW
	Timer	Push button illuminator with 30 sec timer
	Lamp	24V 50W Halogen
Net weight		13kg
G weight		22kg

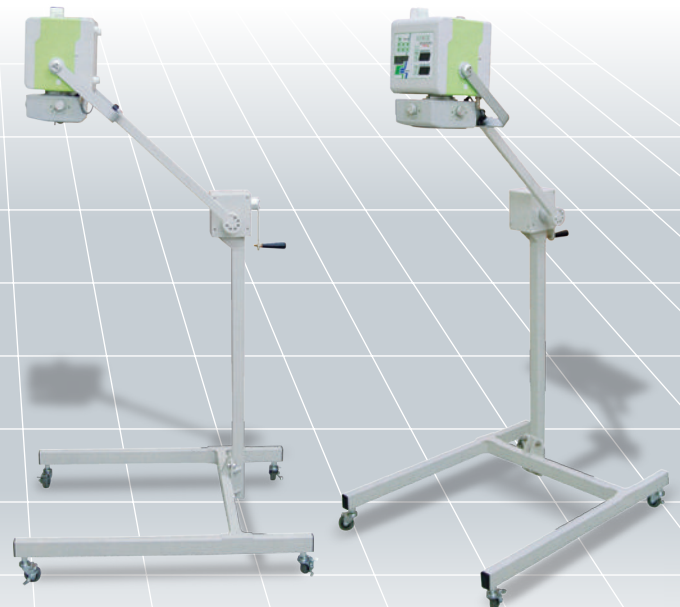
- Most compact size and lightest weight.
- Provide high resolution imaging at lower dosages.
- Durable design with solid body.
- Soft Touch Controls with Digital displays.
- Calibrated cassette size indicator dials
- Available with Inverted control panel for table use.
- Two stage dynamic, Auto line compensation.
- Easy access to DR systems.
- Dual Integrated Laser Pointer.
- Wireless/Wire PC interface(Optional)

Mobile Stand For Portable X-ray Unit.

EMS-1000



EMS-H





Digital Portable X-ray System

EPX-Series

- Innovation designed Ultra-Light, High frequency portable x-ray.
- High Performance **EPX-Series** Portable X-ray system.
- Most compact size and lightest weight.
- Provide high resolution imaging at lower dosages.
- Durable design with solid body.
- Soft Touch Controls with Digital displays.
- Calibrated cassette size indicator dials
- Available with Inverted control panel for table use.
- Two stage dynamic, Auto line compensation.
- Easy access to DR systems.
- Dual Integrated Laser Pointer.
- Wireless/Wire PC interface (Option)



Digital Portable X-ray System



EPX-F1600



EPX-F2400



EPX-F2800



EPX-3200



EPX-F4000



EPX-F5000

Specification

	EPX-F1600	EPX-F2400	EPX-F2800	EPX-3200	EPX-F4000	EPX-F5000
Max Output Power	1.6kW	2.4kW	2.8kW	3.2kW	4kW	5kW
Generator Frequency	100kHz	70kHz	70kHz	70kHz	70kHz	70kHz
kV Range	40~90kV	40~100kV	40~120kV	40~100kV	50~110kV	50~110kV
mA Range	12~30mA	16~40mA	12~40mA	25~60mA	20~80mA	20~100mA
mAs Range	0.4~100mAs	0.4~100mAs	0.4~100mAs	0.4~100mAs	0.4~100mAs	0.4~100mAs
Focal Spot	1.2mm*1.2mm	1.2mm*1.2mm	1.2mm*1.2mm	2.0mm*2.0mm	1.8mm*1.8mm	1.8mm*1.8mm
Target Angle	19°	16°	16°	16°	15°	15°
Anode Heat Storage	10kHU	50kHU	50kHU	40kHU	42kHU	42kHU
Input Voltage	110V/220V	110V/220V	110V/220V	200V~240V	200V~240V	200V~240V
Phase/Frequency	Single/50~60Hz	Single/50~60Hz	Single/50~60Hz	Single/50~60Hz	Single/50~60Hz	Single/50~60Hz
Dimension(mm)	335*153*170	360*200*190	360*200*190	360*200*190	360*200*190	360*200*190
Packing Size(mm)	520*400*330	520*400*330	520*400*330	520*400*330	520*400*330	520*400*330
Net weight	6.8kG	11kG	12kG	12kG	12kG	12kG
G-weight	20kG	22kG	22kG	22kG	22kG	22kG

Mobile Stand For Portable X-ray Unit.



EMS-100



EMS-100



EMS-H



EMS-H



eco & electronics
TRON

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Note: Ecotron reserves the right to make changes in specifications and features shown herein, or discontinue the product described at any time without notice or obligation.



Smart Portable X-ray System

- Embedded Tablet PC console(Touch screen console).
- Innovation designed Ultra-Light, High frequency portable x-ray system.
- Most compact size and lightest weight.
- Durable design with solid body.
- Auto calibration function.
- Body part APR function (over 960 APR)
- DAP display function



Smart Portable Software feature



Main display



SEC, mA display mode



DAP display mode



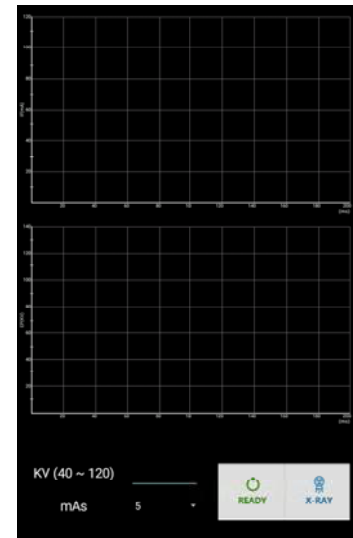
Body part APR Function (over 960)



kV, mA Calibration mode



APR Edit mode



kV, mA Waveform mode

Specification

	EPX-F1600	EPX-F2400	EPX-F2800	EPX-3200	EPX-F4000	EPX-F5000
Max Output Power	1.6kW	2.4kW	2.8kW	3.2kW	4kW	5kW
Generator Frequency	100kHz	70kHz	70kHz	70kHz	70kHz	70kHz
kV Range	40~90kV	40~100kV	40~120kV	40~100kV	40~110kV	50~110kV
mA Range	12~30mA	16~40mA	12~40mA	25~60mA	20~80mA	20~100mA
mAs Range	0.4~100mAs	0.4~100mAs	0.4~100mAs	0.4~100mAs	0.4~100mAs	0.4~100mAs
Focal Spot	1.2mm*1.2mm	1.2mm*1.2mm	1.2mm*1.2mm	2.0mm*2.0mm	1.8mm*1.8mm	1.8mm*1.8mm
Target Angle	19°	16°	16°	16°	15°	15°
Anode Heat Storage	10kHU	50kHU	50kHU	40kHU	42kHU	42kHU
Input Voltage	110V/220V	110V/220V	110V/220V	200V~240V	200V~240V	200V~240V
Phase/Frequency	Single/50~60Hz	Single/50~60Hz	Single/50~60Hz	Single/50~60Hz	Single/50~60Hz	Single/50~60Hz
Dimension(mm)	335*153*170	360*200*190	360*200*190	360*200*190	360*200*190	360*200*190
Packing Size(mm)	520*400*330	520*400*330	520*400*330	520*400*330	520*400*330	520*400*330
Net weight	6.8kG	11kG	12kG	12kG	12kG	12kG
G-weight	20kG	22kG	22kG	22kG	22kG	22kG



Advanced Smart X-ray Generator

SXG-32R/40R/52R/68R Series



We are the best X-ray system manufacturer for you

Features

- Support a full automatic function for kV & mA Calibration
- Support a various system diagnostic functions
- Support a maximum 3000 user programmable anatomical programs
- Support an easy firmware upgrade feature without any special ISP module
- Support a various control console interfaces (Membrane, Android, Windows)
- Support a feedback waveform display function for mA Calibration
- Support a convenient user interface for system parameter setting
- Support a self-diagnostics monitoring feature and real-time status display feature
- Support a various protection features with a tube anode Heat Unit(HU) display
- Support a fine performance and an excellent long-term stability

Options

- Automatic Exposure Control (AEC) Interface
- Digital Radiography (DR) Interface with PC interface module
- Pedestal type control console stand



SXG-32R/40R/52R/68R Series

• Specification

Model	SXG-32R	SXG-40R	SXG-52R	SXG-68R
Power Rating	32kW	40kW	52kW	68kW
Line Nominal, Phase	230V~, 1Φ(Single Phase), 50/60Hz		400 or 480V~, 3Φ(Three Phase), 50/60Hz	
Line Voltage Range	±10%			
kV Range	40 to 125kV, 1kV step		40 to 150kV, 1kV step	
mA Range	10 to 400mA	10 to 500mA	10 to 640mA	10 to 800mA
Timer Range	1ms to 10sec, 36 steps			
mAs Range	0.1 to 400mAs	0.1 to 500mAs (Option for a Higher)		
Max. Power Output	400mA@80kV	500mA@80kV	640mA@80kV	800mA@80kV
	320mA@100kV	400mA@100kV	500mA@100kV	640mA@100kV
	250mA@125kV	320mA@125kV	400mA@130kV	500mA@130kV
			320mA@150kV	400mA@150kV
Rotor Supply	Low Speed Starter (LSS)		Dual Speed Starter (DSS), Option for SXG-52R	
Anatomical Programs	Max.3000 programs (Programmable)			
Technique Selection	4-Point Control (kV, mA, Time, mAs) / 2-Point Control (kV, mAs)			
Image Receptors	2Buckys + 1 Non-Bucky			
Auxiliary Power Supply	External System Power	230VAC, 1A, 230W		
		110VAC, 1A, 110W		
	Magnetic Lock Power	28VDC, 5A, 140W		
	Collimator Lamp Power	24VAC, 6.3A, 150W		
Reproducibility	Coefficient of Variant : kV<0.005, Time<0.005, mAs<0.01			
Accuracy	kV<±(1%+1kV), mA<±(3%+1mA), Time<±(1%+1ms), mAs <±(3%+1mAs)			
Linearity	Coefficient of Linearity < 0.01 : CL=(X1-X2)/(X1+X2),where X is mR/mAs			

• Demension

