

Industrial Image Intensifier Systems

XRS153 / XRS233 / XRS303

Technical Data:

General Data

Comprising

Image Intensifier unit, controll panel FS
with main switch, format switch, 15 m connection cables
20 kV - 450 kV

Allowable X-ray high voltage
Videosignal transfer

Via double shielded coaxial cables

Image Intensifier Tube

Input screen, nominal

Type 6"

15 cm,
2-fold switchable

Type 9"

23 cm,
3-fold switchable

Type 12"

31 cm,
3-fold switchable

Usable input screen ¹⁾

145 / 105 mm
switchable

215 / 160 / 120 mm
switchable

290 / 215 / 160 mm
switchable

Resolution (Lp/cm) ^{1) 2)}

65 / 80

52 / 58 / 65

46 / 50 / 56

Integral Distortion ¹⁾

3%

5% / 3% / 2%

8% / 5% / 3%

Camera

Lens (manual zoom) ³⁾
Video-Standards

1/2" CCD

1:1,0 / 8 - 48 mm
CCIR (optional EIA)

Dimensions

Image Intensifier Unit

Overall measures (l x w x h, mm)
Weight (kg)

600 x 210 x 270
ca. 21

690 x 300 x 350
ca. 30

800 x 400 x 400
ca. 50

Control Panel FS (Format Switch)

Overall measures (l x w x h, mm)
Overall measures including
housing (l x w x h, mm)
Weight including housing

19",3HE
485 x 135 x 100

520 x 400 x 160
3 kg

Options

Desk housing for Control Unit
X-ray protection housing (max. 160 kV)
Control Panel FS-MDC and
diaphragm control (on tube side)
Control Panel FS-MDC-Z
(like FS-MDC plus Motorzoom)
Videomonitor DISPLAY.1712
Housing for DISPLAY.1712
Further options on request

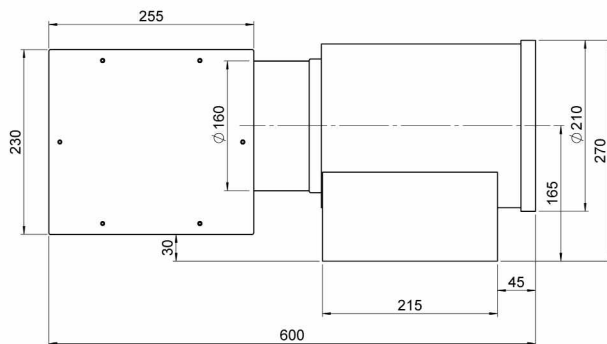
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1) Acc. IEC 1262, typical values

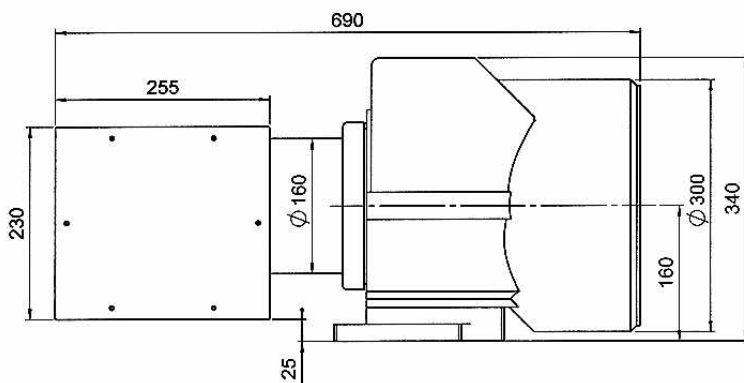
2) Limiting visual resolution measured with microscope at the output screen directly

3) Settings (diaphragm/distance/focus) secured by fixing screws

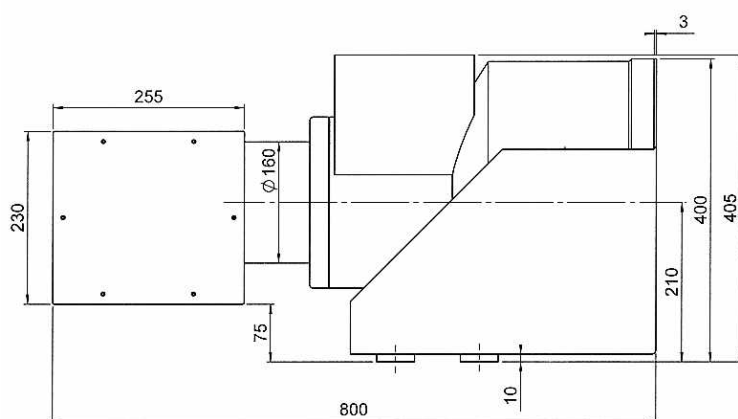
XRS153



XRS233



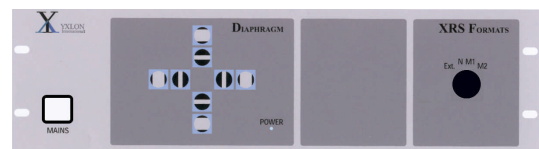
XRS303



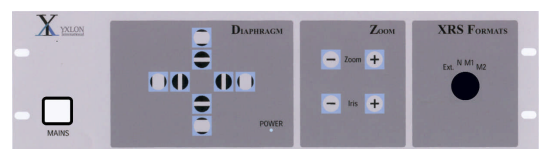
Control Panel FS (Formatswitch)



Control Panel FS - MDC (FS + Diaphragm Control)

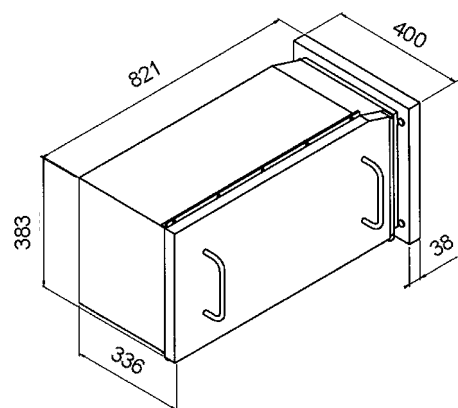


Control Panel FS - MDC - Z (FS - MDC + Motorzoom Control)



X-ray protection housing XRS-LH153/233

Will be delivered integrated with XRS153/233.



Weight XRS-LH153/233 incl.
XRS153: approx. 115kg
XRS233: approx. 125 kg

Warning!

If the XRS is used as replacement for an image intensifier with integrated X-ray protection (e.g. PRS236), the replacement has to be indicated to the local authorities. According to the respective X-ray protection regulations acceptance procedure has to be done.