



XTC PRO

Videoscope System



XTC PRO – Radiation Resistant Videoscope

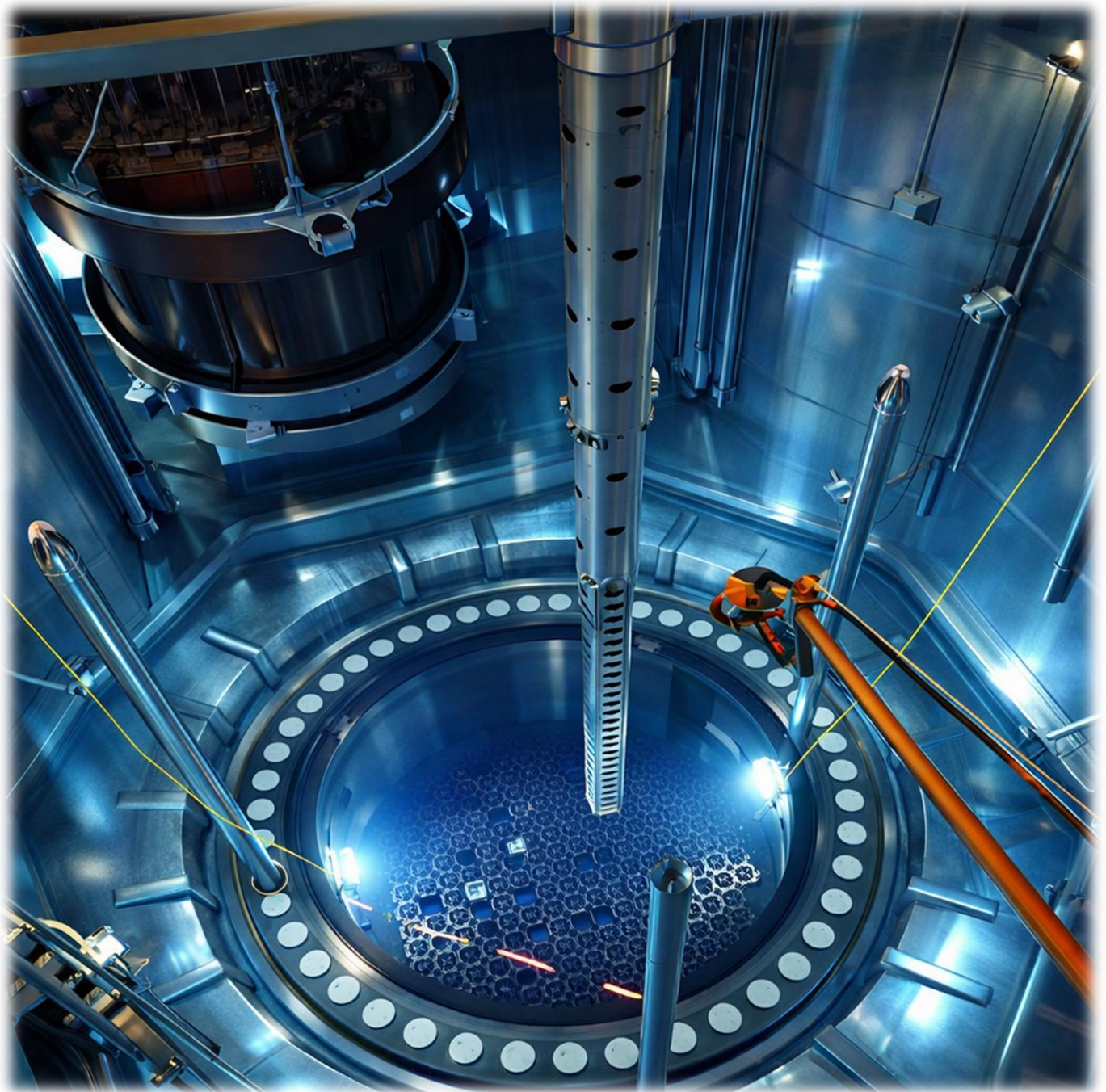
The XTC is the world's first videoscope with interchangeable Cam Change and Tec Tip Technology. This innovation was developed in response to nuclear applications to visually check the drains of pools, pipes, rotating machines, valves, in contaminated areas.

The Tec Tip Technology integrates the video signal-connector, advanced image sensor, with dual LED-Light source into the interchangeable probe tip.

The Cam Change innovation dramatically saves repair costs and decreases downtime if the probe tip or image sensor is damaged (radiation resistance: 10Gy / h | 200Gy /cumulative).

The interchangeable Cam-Change camera head of the XTC videoscope can immediately be replaced at your facility within a minute by your own employees without any technical knowledge.

After replacing Cam Change camera head, the videoscope is fully operational again and the inspection can be taken promptly.



XTC – Technical Data:-

The XTC PRO Technology integrates the video signal-connector, the Advanced image sensor with high performance optics and LED into the interchangeable probe tip. This innovation dramatically saves repair costs and decreases downtime if the probe tip or image sensor is damaged.

The interchangeable camera head of the XTC PRO videoscope can immediately be replaced at your facility within seconds by your own employees without any deep technical knowledge. After replacing the camera head, the videoscope is fully operational again and the inspection can be taken promptly.

Probe Technical Specification:-

Image Sensor:	AIT (CCD with 4,40,000 pixel)
Diameter:	8.0mm
Working Length:	10.0mtr 15mtr 20.0mtr
Direction of View:	0° / 90°
Field of View:	90° / 120°
Depth of focus:	5 mm - ∞
Tec Tip:	Interchangeable
Articulation:	4 - way
Outer Braid:	Multi-Layer Tungsten on PU Jacket
Illumination Type:	High Power dual LED with Intensity Control
Lamp Life:	Approx. 5000 hrs.
Tip Operating Temp:	-25°C to +100°C
Storage Temp:	-25°C to + 60°C
System Operating Temp:	-25°C to +50°C
Relative Humidity:	95% Less than – noncondensing
Protection Class:	IP68 MIL STD 810G
Waterproof:	Probe and Distal End Up to 14.7 psi (1barr.10.2m H2O)
Resistance:	Probe and distal end to Oils and saline (5%) & Petroleum Fluids

Monitor Technical Specification:-

Display Size:	7.0" with Touch
Display Resolution:	1280 X 800 Pixel
Operating System	EIOS (Endoscopic Imaging Operation System)
Interface:	USB
Power Supply (Primary):	Rechargeable Li-ion Battery (Backup - min. 150 mins)
Power Supply (Secondary):	12V AC Adapter
Storage:	25GB Internal with 32GB in USB
Video Format:	MPEG4 (.avi)
Image Format:	BMP (.bmp), JPEG (.jpg), PNG (.png)
Audio and Mic:	Optional
Method:	Grid, Line, Circle, Marker
Smart Inspector:	Image comparison
Image Share:	Live Image Share (Android/iOS/Laptop)
Measurement:	Comparative
Zoom:	5X
Brightness:	Adjustable
Contrast:	Adjustable
Saturation:	Adjustable
Text Annotation:	Built-in Text overlay generation
White Balance:	Manual
Inversion:	Normal, Horizontal, Vertical and Both
AEC:	Adjustable
AGC (Gain Control):	Auto/Adjustable
Ergonomics:	Rotatable Display Unit
Weight:	1.35Kg
Housing:	Rugged PU with Rubber Shock Protection
Drop Test:	1Mtr.
Protection Class:	IP65 & MIL STD 810G

Scan here to Know more 



Manufactured by: JSC IT Concepts India Pvt Ltd.

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