

# OSERIX & JME<sup>®</sup>

## GAMMA PIPELINE

### CRAWLER 10 / 60



OSERIX S.A. with the collaboration of JME<sup>®</sup> are proud to present the New Generation of Gamma Pipeline Solution for customers using this technology for their radiographic butt weld inspection.

The Crawler is suitable for the inspection of circumferential butt welds in new build pipelines diameter range from 12" to 60" (30.72 to 152.40 cm).

This product offers the precision engineering and reliability that OSERIX S.A. and JME are renowned for and integrates the EXERTUS<sup>®</sup> DUAL 120 Projector manufactured by OSERIX S.A.

For ease of removal the coupling mechanism for the EXERTUS<sup>®</sup> DUAL 120 Projector is designed to be simple to use and made secure overnight.

This versatile system can be converted from Gamma to X-Ray with only minor mechanical amendments, providing companies with the ability to operate in a wide variety of territories.

The Crawler chassis & control box allows for a seamless transformation, all that is required is an X-Ray Tube and assembly package of the appropriate specification.

YOUR **NDT** PARTNER

 **oserix**  
POWER OF CONFIDENCE

# OSERIX & JME<sup>®</sup> GAMMA PIPELINE CRAWLER 10 / 60

## Technical Specifications 10/60 GAMMA RAY CRAWLER

Pipeline Diameter Range	12" to 60" (30.72 cm to 152.40 cm)
Weight	112 kg (233.69 lb)
Length	1930 mm (5.48 ft)
Power Source	Sealed lead acid batteries (120 v)
Battery Capacity	15 Ah
Motor Rating	185 W Continuous (0.25 HP)
Travel Speed	Up to 0.3 m/sec (11.81"/ sec)
Maximum Angle of Climb	45% (24°)

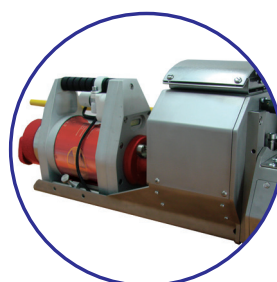
## Technical Specifications X RAY (Available upon request)

## Technical Specifications EXERTUS<sup>®</sup> DUAL 120

Basic Construction Standards	ISO 3999:2004 Compliant
Isotopes	Ir-192 or Se-75 under special form
Ir-192 half life	73.8 days
Se-75 half life	119.8 days
Activity Ir-192	4.44 TBq (120 Ci)
Activity Se-75	7.4 TBq (200 Ci)
Surface Dose Rate	Max. 2mSv/h
Total Weight	22 kg (48.5 lb)
DU Weight	14 kg (30.8 lb)
Dimensions	
Length	302 mm (11.89")
Width	124 mm (4.88")
Height	207 mm (8.15")
Outer Shell	CrNi Steel
Shielding	Depleted Uranium
Labyrinth	Tungsten Heavy Alloy
Type	B(U) RUS / 5786 / B(U)-96T

## EXERTUS<sup>®</sup> DUAL120 ACTUATOR

The EXERTUS<sup>®</sup> DUAL 120 ACTUATOR is specially designed to be used in conjunction with a JME<sup>®</sup> 10 / 60 Crawler without any modification to the EXERTUS<sup>®</sup> DUAL 120 Gamma Projector keeping all its original Safety Features.



## NON ISOTOPE CONTROL SYSTEM

For signalling the crawler to move with accurate positioning from outside the pipe

- Suitable for use from 20mm to 40mm of steel thickness.
- Accurate positioning and motion control.
- Rechargeable.
- For use with 6/16, 10/60 and 24/72.

## NON ISOTOPE TRACKING SYSTEM

- Eliminates need for tracker isotope.
- Improved transportation safety.
- Improved crawler handling safety.

