

# SITE-X 180: X-RAY GENERATOR FOR 6" to 18" CRAWLER

## **IT JUST MAKES YOU MORE COMPETITIVE...**

If you already inspect or intend to inspect small diameter pipelines sooner or later, the SITE-X C1802 is the X-ray set you need.

Then, it shall become shortly one of the major keys of your competitiveness as its main characteristics and performances significantly influence your inspection overall operating costs.

## **SMALL IS USEFUL...**

The SITE-X C1802 is indeed the smallest, the lightest and the most powerful true radial beam x-ray generator ever designed for crawlers operation.

Its general performances are so great, compared with what has only been available for a dozen of years, that it is going to be very hard to perform any 6" to 18" pipes inspections without the help of a C1802 in front...

## **UNEQUALLED PERFORMANCES...**

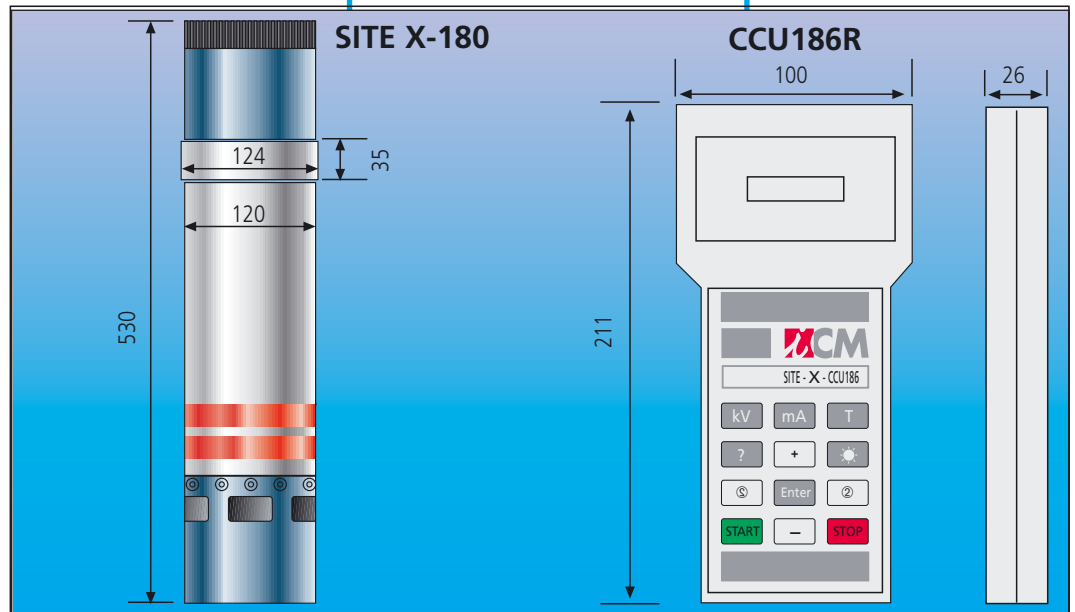
With a length of 510 mm and a diameter of 120 mm, the C1802 not only contains the high voltage components but it also includes its fully transistorised and microprocessor based control unit CCU086 which is tool free exchangeable on site within a minute or two only for fast servicing.

48 DC Volts operated,  
50 to 180 kV - 1 to 2 mA, 100 % duty cycle, fully stabilized



outputs regardless the charge of the batteries, 1 kilovolt and 0.1 milliamps steps, automatic preheating, disconnectable remote control unit to set your shots parameters, etc.: all these characteristics make this extremely compact (8kg) tubehead the best tool of its kind ever proposed to inspection companies.

The advantage is evident. Beside the unequalled level of performances, the new C1802 allows an inspection company to offer a true and full capability of covering pipeline inspections from 6" to 72" equipped with only two basic crawler configurations (C1802 and C3003).



## ROBUST AND EFFICIENT

Stainless steel wherever necessary or aluminium for weight savings, the SITE-X C1802 has been designed to meet the strongest off or on shore pipe inspections under virtually all weather conditions.

IP65 weather proof, efficient cooling system of electronic for ultimate reliability, an exceptional patented anode cooling system: all these features provide inspection companies with an ideal tool performing quick and uninterrupted controls on pipes, wherever they are.

## TUBE HEAD EXCHANGE

Fully interchangeable with your existing 48 VDC supplied tube head, your crawler once equipped with the C1802 shall have a second profitable life in bringing your system all its characteristics without any restrictions.

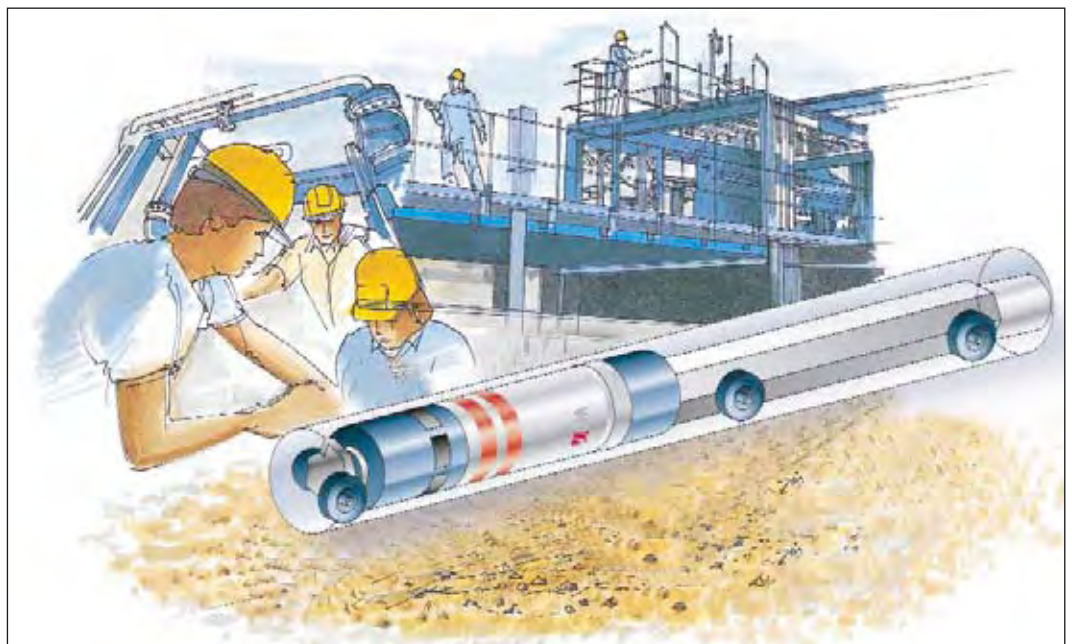
## SITE-X C1802 generator

Characteristics	Units	C1802
Output voltage range	kV	50 to 180
Tube current range	mA	1 to 2
Geometry of radiation (360° x 40°)	-	Pan. True radial.
Focal spot sizes	mm	Ø 4 x 0.5
Inherent filtration	mm alu	5.5
Load cycle at 20 °C ambient temperature	%	100
Operating temperature range	°°C	-25 to +70
Storage temperature range	°C	-40 to +80
SF6 insulation pressure at 20 °C	kg/cm	5.0
Ambient protection index	-	IP65
Penetration in steel at max. power (pipe diameter 6" / Film D7Pb / D=2.0 / T = 10 sec.)	mm Fe	10.0
(pipe diameter 18" / Film D7Pb / D=2.0 / T = 1 min)	mm Fe	10.0
Measurement circuits (kV and mA)	-	yes
Body sizes ( Ø x length (without attachments))	mm	Ø 120 x 530
Max flange sizes	mm	Ø 124 x 35
Total weight	kg	8

## Control unit CCU086 and remote control unit CCU186R

Characteristic	Units	CCU086
Industrial microprocessor controller (-25°C to 80°C)	-	8 bits - 8 MHz
Type of power supply	-	Pb or Cd-Ni Batteries
Single voltage power supply range	VDC	42 to 53
Max. mean current consumption. (180 kV / 2 mA)	A	6 at 48 VDC
Programming increments for kV, mA (CCU186R)	kV/mA	1 / 0.1
Accuracy of battery voltage regulation	%	±0.2
Overall dimensions CCU186R (L x H x P)	mm	100 x 211 x 26

## THE SITE-X 180 MOUNTED ON A BATTERY POWERED CRAWLER



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