



中意电子 DANDONG
Zhongyi ELECTRONIC
CO.,LTD

NDT *Manufacturer*

DanDong ZhongYi Electronic CO.,LTD

丹东市中意电子有限公司

Company Profile

Dandong Zhongyi Electronic Co.,Ltd is manufacturer to produce types of Industrial X ray NDT equipments in China with ISO 9001:2008 certification. Our main products contains portable x ray NDT equipment, pipeline X ray inspection wheel crawler, ultrasonic flow meter, industrial portable LED film viewer, digital ultrasonic flaw detector, high voltage electrical coil and X ray tubes. With an experience of more than 10 years in the market of X ray NDT equipments,combining scientific research, development and business as an integrative unity.

Nondestructive examination (NDE)is a wide group of analysis techniques used in science and industry to evaluate the properties of a material, component or system without causing damage. The terms Non-destructive testing (NDT), Nondestructive inspection (NDI), and Nondestructive evaluation (NDE) are also commonly used to describe this technology. X ray NDT equipment is widely used in the industries of shipbuilding, mechanical manufacturing, aerostatics, railroad, pressure vessel, boiler, petroleum, chemical and national defense.

Our company possesses a complete set of manufacturing facilities to manufacture x ray NDT component, such as X ray tube and HV coils to ensure high quality equipments. Gathering experienced engineers, doing their best to provide excellent NDT X ray inspection equipment and high quality service to meet with the customers requirements. Products have been warmly welcomed and won good reputation with the continuous improvement and innovation. Persisting business concept of "excellent products with faithful credit", basing upon the development strategy of "client foremost", we'll continuously improving the quality and service to build up Zhongyi Brand.



Enterprise Certifications



We Provide:

- Portable x ray NDT equipment
- Pipeline X ray inspection wheel crawler
- Ultrasonic flow meter
- Industrial portable LED film viewer
- Digital ultrasonic flaw detector
- High voltage electrical coil
- X ray tubes
- DC X-ray NDT Equipment
- Mobile NDT X ray equipment
- X ray Real-time image system



DC X-ray NDT Equipments

With features of easy to handle and reliable performance, the new product of DC X-ray NDT equipment is mainly used in the testing engineering, petroleum pipeline and site where the AC power supply is not available.



Controller

DC power supply

Portable NDT X-ray Equipment

Features Of Portable NDT X-ray Equipment

1. Controller adopts design of hardware with a wide operative range. Having the advantages of long service life and low failure rate.
2. Possess the reliable "Time-delayed" function, suitable to operate in the open field.
3. Excellent anti-jamming performance. Capable to operate within a line voltage range from 180V ~ 250V.
4. High degree of automation, with the function of trouble self shooting and indication.
5. Strictly followed with 1:1 working/resting ratio, eliminating the disoperation.
6. The HV windings made by imported enamel wire is applied in the X-ray generator, so as to make the quality of the complete equipment improved a great deal.



Glass tube Panoramic



Ceramic tube Directional



ZY-2000 Controller



Glass tube Directional

Main Technical Data Of Portable NDT X-ray Equipment

(ZY-2000 controller weight: 11kg, with a dimensions of 360x310x160mm, ZY-3000 controller weight: 8kg, with a dimensions of 320x280x160mm)

	Model	Power (KW)	Beam Angle	Max. Penetration A3 steel (mm)	X-ray generator		Output power(KV)	Remarks
					Weight (kg)	Size (mm)		
General	XXQ-2005	> 2.0	40°	29	20	270 × 270 × 665	80 ~ 200	Glass tube, directional
	XXH-2005	> 2.0	360° × 25°	26	20	270 × 270 × 665	80 ~ 200	Glass tube, Panoramic with flat target
	XXHA-2005	> 2.0	360° × 30°	24	20	270 × 270 × 665	80 ~ 200	Glass tube, Panoramic with cone target
	XXG-2005	> 2.0	40°	29	20	270 × 270 × 570	80 ~ 200	Ceramic tube, directinal
	XXG-2005Z	> 2.0	360° × 25°	26	20	270 × 270 × 570	80 ~ 200	Ceramic tube, Panoramic
	XXQ-2505	> 2.5	40°	39	35	320 × 320 × 720	130 ~ 250	Glass tube, directional
	XXH-2505	> 2.5	360° × 25°	36	35	320 × 320 × 720	130 ~ 250	Glass tube, Panoramic with flat target
	XXHA-2505	> 2.5	360° × 30°	34	35	320 × 320 × 720	130 ~ 250	Glass tube, Panoramic with cone target
	XXG-2505	> 2.5	40°	39	32	320 × 320 × 640	130 ~ 250	Ceramic tube, directinal
	XXG-2505Z	> 2.5	360° × 25°	36	32	320 × 320 × 640	130 ~ 250	Ceramic tube, Panoramic
	XXQ-3005	> 3.0	40°	49	44	340 × 340 × 820	150 ~ 300	Glass tube, directional
	XXH-3005	> 3.0	360° × 25°	46	44	340 × 340 × 820	150 ~ 300	Glass tube, Panoramic with flat target
	XXHA-3005	> 3.0	360° × 30°	40	44	340 × 340 × 820	150 ~ 300	Glass tube, Panoramic with cone target
	XXG-3005	> 3.0	40°	49	37	340 × 340 × 720	150 ~ 300	Ceramic tube, directional
	XXG-3005Z	> 3.0	360° × 25°	46	37	340 × 340 × 720	150 ~ 300	Ceramic tube, Panoramic

	Model	Power (KW)	Beam Angle	Max. Penetration A3 steel (mm)	X-ray generator		Output power(KV)	Remarks
					Weight (kg)	Size (mm)		
Minixtro	XXQ-2005L	> 2.0	40°	29	16	210 × 210 × 620	80 ~ 200	Glass tube, directional
	XXH-2005L	> 2.0	360° × 25°	26	16	210 × 210 × 620	80 ~ 200	Glass tube, Panoramic with flat target
	XXHA-2005L	> 2.0	360° × 30°	24	16	210 × 210 × 620	80 ~ 200	Glass tube, Panoramic with cone target
	XXG-2005L	> 2.0	40°	29	14	210 × 210 × 580	80 ~ 200	Ceramic tube, directinal
	XXG-2005ZL	> 2.0	360° × 25°	26	14	210 × 210 × 580	80 ~ 200	Ceramic tube, Panoramic
	XXQ-2505L	> 2.5	40°	39	23	270 × 270 × 640	130 ~ 250	Glass tube, directional
	XXH-2505L	> 2.5	360° × 25°	36	23	270 × 270 × 640	130 ~ 250	Glass tube, Panoramic with flat target
	XXHA-2505L	> 2.5	360° × 30°	34	23	270 × 270 × 640	130 ~ 250	Glass tube, Panoramic with cone target
	XXG-2505L	> 2.5	40°	39	20	270 × 270 × 580	130 ~ 250	Ceramic tube, directinal
	XXG-2505ZL	> 2.5	360° × 25°	36	20	270 × 270 × 580	130 ~ 250	Ceramic tube, Panoramic
	XXQ-3005L	> 3.0	40°	49	35	320 × 320 × 720	150 ~ 300	Glass tube, directional
	XXH-3005L	> 3.0	360° × 25°	46	35	320 × 320 × 720	150 ~ 300	Glass tube, Panoramic with flat target
	XXHA-3005L	> 3.0	360° × 30°	40	35	320 × 320 × 720	150 ~ 300	Glass tube, Panoramic with cone target
	XXG-3005L	> 3.0	40°	49	31	320 × 320 × 640	150 ~ 300	Ceramic tube, directional
	XXG-3005ZL	> 3.0	360° × 25°	46	31	320 × 320 × 640	150 ~ 300	Ceramic tube, Panoramic

	Model	Power (KW)	Beam Angle	Max. Penetration A3 steel (mm)	X-ray generator		Output power(KV)	Remarks
					Weight (kg)	Size (mm)		
Special	XXQ-1005	> 1.0	40°	8	11	160 × 160 × 520	40 ~ 100	Glass tube, directional
	XXH-1005	> 1.0	360° × 25°	6	11	160 × 160 × 520	40 ~ 100	Glass tube, Panoramic with flat target
	XXQ-1605	> 1.5	40°	20	15	210 × 210 × 620	60 ~ 160	Glass tube, directional
	XXH-1605	> 1.5	360° × 25°	18	15	210 × 210 × 620	60 ~ 160	Glass tube, Panoramic with flat target
	XXHA-1605	> 1.5	360° × 30°	15	15	210 × 210 × 620	60 ~ 160	Glass tube, Panoramic with cone target
	XXG-1605	> 1.5	40°	20	14	210 × 210 × 580	60 ~ 160	Ceramic tube, directional
	XXQ-3505	> 3.5	40°	59	42	340 × 340 × 820	200 ~ 350	Glass tube, directional
	XXH-3505	> 3.5	360° × 25°	56	42	340 × 340 × 820	200 ~ 350	Glass tube, Panoramic with flat target
	XXHA-3505	> 3.5	360° × 30°	50	42	340 × 340 × 820	200 ~ 350	Glass tube, Panoramic with cone target
	XXG-3505	> 3.5	40°	59	37	340 × 340 × 740	200 ~ 350	Ceramic tube, directional

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ZYVF-L10 LED Film Viewer

Product Introduction



ZYVF-L10 LED film viewer is a new series product that followed by the new standard of <<Nondestructive Testing of Pressure equipments>> and GB/T 19802-2005<<Industrial radiography published film view pieces lamp>>.

The light source adopts high power LED light source surface to make it keep a real high degree of uniformity in high lighten. Theoretical work life is

more than 50000 hours; it is the Update products from the existing industrial radiographic film.

Main Features

- 1 Portable LED film viewer with simple design.
- 2 Widely used in laboratory and indoor.
- 3 View pieces density > 4.0D (without focusing ring).
- 4 Low thermal noise, low power loss, no damage to film.
- 5 Over 50000 hours working life.
- 6 Safe, fully enclosed heat insulation structure, with DC 24V fan heat dissipation.

Technical Specifications

To observe the biggest black for value: 4.0D	
maximum brightness: $\geq 64,000 \text{ Cd/m}^2 (200,620 \text{ Lux})$	input voltage range: 170~250VAC 47~63Hz
uniformity coefficient: $g \geq 0.95$ dissipation coefficient ≥ 0.95	rated output: 60W
Continuous highest brightness work 12 hours, Surface temperature rise: $\leq 20^\circ \text{C}$	contour dimension: 465*165*75mm (length*width*height)
view port: 200x60mm	Operating weight: 3.7Kg

Magnetic Medium Control X-ray Pipeline Crawler

Features

1. Ease start, Low-state positioning, To ensure accurate positioning at the same time, extend equipment life
2. Features with going through the welding machine, without impacting of the welding machine, good for normal work.
3. X-ray Generator syserm has a regulatory function of KV, Transillumination to ensure the X-ray film and degree of consensus
4. Electronic speed control motor function, to achieve constant torque, constant current operation, could be 40 percent energy saving at the same time motor overcurrent protection



Major property index of the pipeline crawler

It has been granted the national patent.



Micro-wave video X-ray pipeline crawler

Model		ZY-3C	ZY-4C	ZY-10C
Limit of applicable pipe-diameter (mm)		Φ 323~Φ 630	Φ 219~Φ 377	Φ 529~Φ 1200
Outline dimension of creeping instrument		1400 × 290 × 260	1600 × 260 × 240	1430 × 340 × 290
Dimension of instruction controller (mm)	Video	420 × 470 × 240	420 × 470 × 240	420 × 470 × 240
	Magnetic IL	190 × 170 × 110	190 × 170 × 110	190 × 170 × 110
Weight (Kg)		67	30	90
Creeping Speed (M/min)		15~18	15~18	15~18
Location error (mm)		± 5	± 5	± 5
Max.crawling		15~25°	10~15°	30~40°
Beam angle		360 × 40℃	360 × 40℃	360 × 40℃
Temperature		-20℃~60℃	-20℃~60℃	-20℃~60℃
Relative humidity		90%	90%	90%

The above parameters is for reference only. For further details, please consult the salesman.

X-ray Tubes



1.Glass X-ray Tubes

Model	tube voltage(KV) tube current(mA)	Focus dimensions(mm)	Radiation angle	Remarks
XC18	200/5	1.5×1.5	40°	Directional
XC31	200/5	1.0×1.5	360° × 25°	Panoramic
XC31A	200/5	1.0×3.5	360° × 30°	Panoramic
XC28	250/5	2.0×2.0	40°	Directional
XC29	250/5	1.0×2.4	360° × 25°	Panoramic
XC29A	250/5	1.0×5.0	360° × 30°	Panoramic
XC35	300/5	2.5×2.5	40°	Directional
XC36	300/5	1.0×2.5	360° × 25°	Panoramic
XC36A	300/5	1.0×6.0	360° × 30°	Panoramic
XC27	250/15	4.0×4.0	40°	Directional

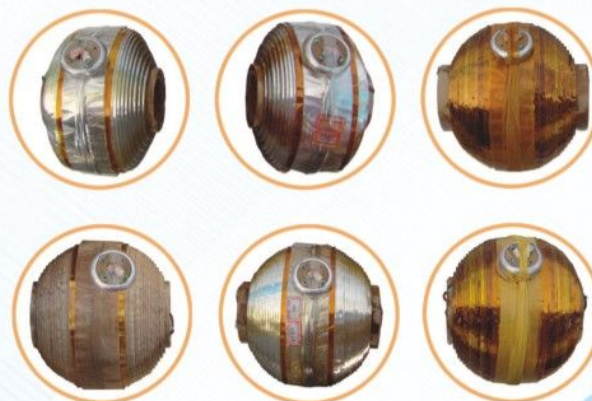
2.Moire Ceramic X-ray Tubes

Model	tube voltage(KV) tube current(mA)	Focus dimensions(mm)	Radiation angle	Remarks
XTG-2505	250/5	2.0×2.0	40°	Directional
XTG-2505P	250/5	1.0×2.0	360° × 25°	Panoramic
XTG-3005	300/5	2.5×2.5	40°	Directional
XTG-3005P	300/5	1.0×2.5	360° × 25°	Panoramic

HV Coils

Features Of HV Coils Made By Imported Wire

The company is the only manufacturer to produce the HV coils made by the imported enamel wire. It possesses better performance in HV and high temperature than those of windings made by the enamel wire at home, making the HV coils achieve obvious promotion in the quality.



Digital Ultrasonic Flaw Detector



Launch/Receiving

- Pulse Energy: 200V/400V
- Pulse Width: 40 ~ 400ns
- Sampling: 100MHz
- Pulse repetition frequency: 60Hz ~ 1.2KHz
- Damping: selectable among 50 Ω 100 Ω , 200 Ω and 500 Ω for optimum probe performance
- Test Modes: include Pulse echo, dual and thru-transmission
- Resolution: ≥ 42 dB(5N14)
- Noise level: $\leq 12\%$

Amplifier/Detection

- Sensitivity Leavings: ≥ 64 dB (flat-bottomed deep hole 200mm $\Phi 2$)
- Gain: 0 dB to 110 dB adjustable in selectable steps 0.1 dB, 2 dB, 6 dB, and locked
- Analog Bandwidth: 0.5MHz to 20MHz capability with selectable frequency ranges (automatically set by the instrument) to match probe for optimum performance
- Precision Amplifiers: ± 1 dB/12dB
- Vertical linear error: $\leq 3\%$
- Automatic Gain: 10% ~ 90%
- Dynamic range: ≥ 34 dB
- Rectification: Positive Halfwave, Negative Halfwave, Fullwave and RF

Functions

- Memory: Memory of 50 channel files to store calibration set-ups
- Storage Management: Memory of 1000 wave files to store A-Scan patterns and instrument setting
- Peak Hold: Automatically searching the peak wave inside the gate and hold it on the display
- A Scan Freeze: Whole frozen / freeze reference
- Crack measure: Measure and calculate the crack depth
- Curved Surface Correction feature
- Envelope function: Records show that the peak envelope
- Real Time Clock: The instrument clock keeps running tracking the time.
- Communication: USB2.0 high-speed communication port

Time Base (T. B.)

- Range: Detection range of 0~10m; 0.1mm, 1mm and 10mm automatic setting step
- Horizontal linear error: $\leq 0.1\%$
- Material Velocity: 10 to 10000m/s
- Bias shift (Probe delay): 0 ~ 400.0us
- Demonstrate Transfer: 0~1000.0mm; 0.1mm, 1mm step automatically set

Curve

- DAC/TCG curve: Both the DAC and the TCG method of amplitude evaluation are available
- DGS curve: Distance - Gain - size (DGS) curve, plotted the same to DAC

Digital Ultrasonic Flaw Detector



The ZYUT-818 is a portable,digital ultrasonic flaw detector with multi-color TFT LCD that can quickly and easily,without damage to accurately detect,locate,valuate and diagnosis internal defects (cracks,inclusions,porosity,etc.). It can be used not only in laboratories,but also the project sites.The instrument can be widely used in the manufacturing,iron and steel metallurgy,metal processing industry,chemical industry and the area of defect detection and quality contro,also widely used in aerospace,railway transportation,boiler and pressure vessel in service areas such as safety checks and life assessment.

Function

- English menu including menus and submenus,operating adjustments are easily and quickly made using the rotary knob and shortcut keys .
- Hi-resolution multi-color TFT LCD.Optional Background and echo color depending on the environment.LCD brightness can set by yourself.
- Internal rechargeable Li-ion battery pack rated 7.2V at 8800 mAh,8 hours nominal operating time depending on display brightness.
- Light, portable and easy to be taken by one hand ,durable , leading the industry trend.

Receiver

- Bandwidth: 0.20MHz to 20MHz capability with selectable frequency ranges (automatically set by the instrument) to match probe for optimum performance.
- Gate reading: single gate and dual-gate reading; peak readings within the gate.
- Gain:0 dB to 110 dB adjustable in selectable steps 0.1 dB,2 dB,6 dB,and locked.

Gate Alarm

- Alarm with sound and light.

Communication

- USB2.0 high-speed communication port.

Real Time Clock

- The instrument clock keeps running tracking the time.

Functions

- Peak Hold: Automatically searching the peak wave inside the gate and hold it on the display.
- Equivalent diameter calculation: Find out the peak echo and calculate its equivalent diameter.
- Localization: Localize the defect position, including the distance, the depth and its plane projection distance.
- Defect Sizing: Calculate the defect size.
- Defect Evaluation: Evaluate the defect by echo envelope.
- Curved Surface Correction feature.
- DAC: Distance Amplitude Correction.
- AVG: Distance Gain Size curve function.
- Crack measure: Measure and calculate the crack depth.
- Envelope function.
- Dynamic record.
- A Scan Freeze.
- B-SCAN: Display the cross-section of the test block.
- Thickness Input.
- Weld figure feature.

Specifications

- Range: (0 ~ 9999) mm
- Bandwidth: (0.20 ~ 20) MHz
- Material Velocity: (1000 ~ 15000) m / s
- Dynamic Range: ≥ 36 dB
- Vertical linear error: $\leq 2.5\%$
- Horizontal linear error: $\leq 0.1\%$
- Resolution: > 45 dB (5P14)
- Sensitivity Leavings: > 65 dB (flat-bottomed deep hole 200mm Φ 2)
- Rejection: (0~ 80)% Linear
- Noise level: $\leq 8\%$
- Channels: 100
- Probe Interface: Q9-Q9
- Probe Type: straight, angle, dual and thru-transmission
- Gate: Two fully independent gates
- Alarm: Alarm with sound and light
- Power supply: DC 9V; lithium batteries work for 8 hours or more
- Overall dimensions: 263 × 170 × 61 (mm)
- Ambient temperature: (-20 ~ 50) °C
- Relative Humidity: (20 ~ 95)% RH

Memory

- Memory of 100 channel files to store calibration set-ups. Memory of 1000 wave files to store A-Scan patterns and instrument settings. All the files can be stored, recalled and cleared with USB.

Digital Ultrasonic Flaw Detector

Pulser

- Pulse Energy: Selectable among Low,Medium and High.
- Pulse width: Adjustable from 0.1 μ s to 0.5 μ s.
- Damping: Selectable among 100 Ω ,200 Ω and 400 Ω for optimum probe performance.
- Test Modes: Straight,angle,dual and thru-transmission.



DataPro of ZYUT Series Ultrasonic Flaw Detector

DataPro of ZYUT series ultrasonic flaw detector.The DataPro is Communication Software of digital ultrasonic flaw detector .Under the MS windows system,we can see the waveform and parameter on the computer thought USB,and put them into database which can easy to read.change,and save.then print it.

The main interface for the software is as follow:



Function of Button

- Store: Save the current data to the database.
- Cancel: Cancel the current data.
- Read : Read the data from database.
- Download: Download the data.
- Print: Print the current data.
- Help:Get the help information.
- Connect/Diaconnect: USB connect/diaconnect.
- Screen Capture: Capture the screen.

ZYUT Standard Configuration

No.	Item	Quantity
1	Main Body	1
2	Straight Beam Probe	1
3	Angle Probe	1
4	Machine-probe Cable (Q9-Q9)	1
5	Battery Module	1
6	Power Adapter (Charger)	1
7	Support Pillar	2
8	Instrument Case	1
9	Operating Manual in English	1
10	Datapro Software for ZYUT series Instrument	1
11	USB Cable	1



Portable Ultrasonic Flowmeter

Type:ZYF-2000P



Main Features:

Features	Description
High Accuracy Measuring	Linearity: better than 0.5%. Repeatability: better than 0.2%. Accuracy: better than $\pm 1\%$.
Non-intrusive Measuring	Non-intrusive, clamp-on transducer, no pressure drop, no pipe disturbance.
Wide Measuring Range	Several types transducer for selection, measuring pipe size from DN15mm to Dn6000mm.
Chinese&English Menu	Chinese&English display, easy to operate.
Large Capacity Battery	Built-in rechargeable Ni-MH rechargeable battery, provide over 20 hours of continuous operation.
Built-in Printer	Built-in mini thermal printer with instant and timing print function.
Built-in Data Logger	Uplink over 20 measuring data to computer or internet.

Unified Ultrasonic Calorimeter

Type:ZYF-2000F



Main Features:

Features	Description
High Accuracy	Linearity: better than 0.5%. Repeatability: better than 0.2%. Accuracy : better than $\pm 1\%$.
Wide Measuring Range	Several types transducer for selection, pipe size from DN15mm to Dn6000mm.
High Protection Grade	Protection Grade of primary meter: IP68, can work in 2 m of water.
Easy to Operate	Browse data with magnetic stick on primary meter or reset parameter on secondary meter.
Multi-display	Integrate signal detecting and flow measuring on primary meter, display accumulated/instantaneous flow, velocity in circle; secondary meter can also display over 100 menus.
Far Transmission Distance	Connect primary and secondary meter through RS-485 interface, normal cable replaces special cable, transmission distance up to 1000m.

Optional Secondary Meter



Separate Fixed Ultrasonic Flowmeter

Type:ZYF-2000S



Main Features:

Features	Description
High Accuracy Measuring	Linearity: better than 0.5%. Repeatability: better than 0.2%. Accuracy: better than $\pm 1\%$.
Wide Measuring Range	Several types transducer for selection, measuring pipe size from DN15mm to Dn6000mm.
Chinese&English Menu	Different version UFM can support Chinese or English display, easy to operate.
High Reliability	Adopt low voltage, multi-pulse technology to improve accuracy, useful life and reliability.
Strong Anti-interference	Dual-balance signal differential receiver/driver circuit to avoid interference of converter, TV tower, high voltage line etc.
Powerful Recording Function	Automatically record the following data: The totalizer data of the last 512 days/128 months/10 years. The time and corresponding flow rate of the last 64 times of power on and off events. The working status of the last 32 days.

Handheld Ultrasonic Flowmeter

Type:ZYF-2000H



Main Features:

Features	Description
High Accuracy Measuring	Accuracy: $\pm 1\%$, linearity: 0.5%, repeatability: 0.2%.
Non-intrusive Measuring	Non-intrusive, clamp-on transducer, no pressure drop, pipe disturbance.
Wide Measuring Range	Several types transducer for selection, measuring pipe size from DN15mm to Dn6000mm.
Light Weight	Size: 210x90x30mm. Weight: only 0.5kg.
Large Capacity Battery	Built-in rechargeable Ni-MH battery, provide over 12 hours of continuous operation.
Large LCD Display	Display instantaneous flow, accumulated flow (positive, negative and net), velocity, working status etc.
Built-in Data Logger	Built-in 24K data logger, store over 2000 lines measuring data.

Ultrasonic Flow Module

Type:ZYF-2000M

Main Features:



Features	Description
High Accuracy	Linearity: better than 0.5%. Repeatability: better than 0.2%. Accuracy: better than $\pm 1\%$.
Wide Measuring Range	Several types transducer for selection, pipe size from DN15mm to Dn6000mm.
Far Transmission Distance	Connecting module and secondary meter through RS-485 interface, transmission distance up to 1000m.
Powerful Functions	Current output: 4-20mA, one channel, can be used for flow/heat transmitter; OCT output: two channels, can be used for flow/heat switch; Current input: 4-20mA, three channels, can be used for data collector; Tri-wire resistance signal input (PT100): two channels, can be used for calorimeter.
Wide Application	Particularly low cost, small size, high performance. Local display, ideal choice for industrial automation. Processing control, flow meter networking, composing multi-channel, high accuracy.

General Specification:

Optional Transducer		Model	Measuring Range	Liquid Temperature	Accuracy
 Clamp-on Transducer	TS-1(Small Size)	TUF-2000MNB1	DN15-100mm	-300℃~90℃	±1%
	TM-1(Medium Size)	TUF-2000MNB2	DN50-1000mm		
	TL-1(Large Size)	TUF-2000MNB3	DN300-6000mm		
 High-temperature Clamp-on Transducer	THS-1(Small Size)	TUF-2000MNB4	DN15-100mm	-30℃~160℃	
	THM-1(Medium Size)	TUF-2000MNB5	DN50-1000mm		
 Insertion Transducer	TC-1(Standard)	TUF-2000MNC1	DN80-6000mm	-40℃~160℃	
	TLC-2(Lengthen)	TUF-2000MNC2			
 Prover section Transducer	Prover section	TUF-2000MNG	DN15-1000mm	-40℃~160℃	±0.5%
Power Supply	Primary meter: 8-36V DC or 10-30V AC.				
Input	3 channel 4-20m Analog input, 2 channel Tri-wire resistance signal input (Pt100).				
Output	Isolation RS-485 output,b2 channel isolation OCT, I channel isolation 4-20mA output (two-wire system).				
Communication Protocols	Compatible with MODBUS, METER-BUS protocol, Fuji extended protocol and general water meter protocol.				

Mobile Industrial X-ray NDT Equipment



XYD-1520 XYD-22510 NDT Equipment



XYD-3010 XYD-4010 XYD-4510 NDT Equipment

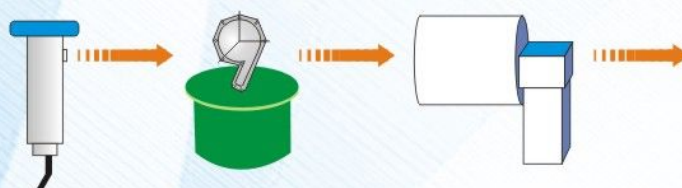
Main Technical Data Of Mobile Industrial X-ray NDT Equipment

Model	Tube Voltage(KV)	Tube current(mA)	Focus dimensions (IEC336)	Max Penetration A3 steel(mm)	Sensitivity	Remarks (X-ray Tube)
XYD-1520	30 ~ 150	1-20 1-4	3.0×3.0 0.4×0.4	25(18)	≤1.5	imported
XYD-22510	40 ~ 225	1-10 1-3	3.0×3.0 0.4×0.4	45(33)	≤1.5	imported
XYD-3010	40 ~ 300	1-10 1-3	4.0×4.0 1.2×1.2	70(50)	≤1.5	imported
XYD-3510	50 ~ 350	1-10 1-3	3.5×3.5 1.5×1.5	80(56)	≤1.5	imported
XYD-4010	60 ~ 400	1-10 1-3	3.5×3.5 1.5×1.5	95(70)	≤1.5	imported
XYD-4510	60 ~ 450	1-10 1-2	4.0×4.0 1.5×1.5	105(80)	≤1.5	imported

(Data in the bracket is the penetration thickness when furnished with the industrial TV)

X-ray Real-time Image System

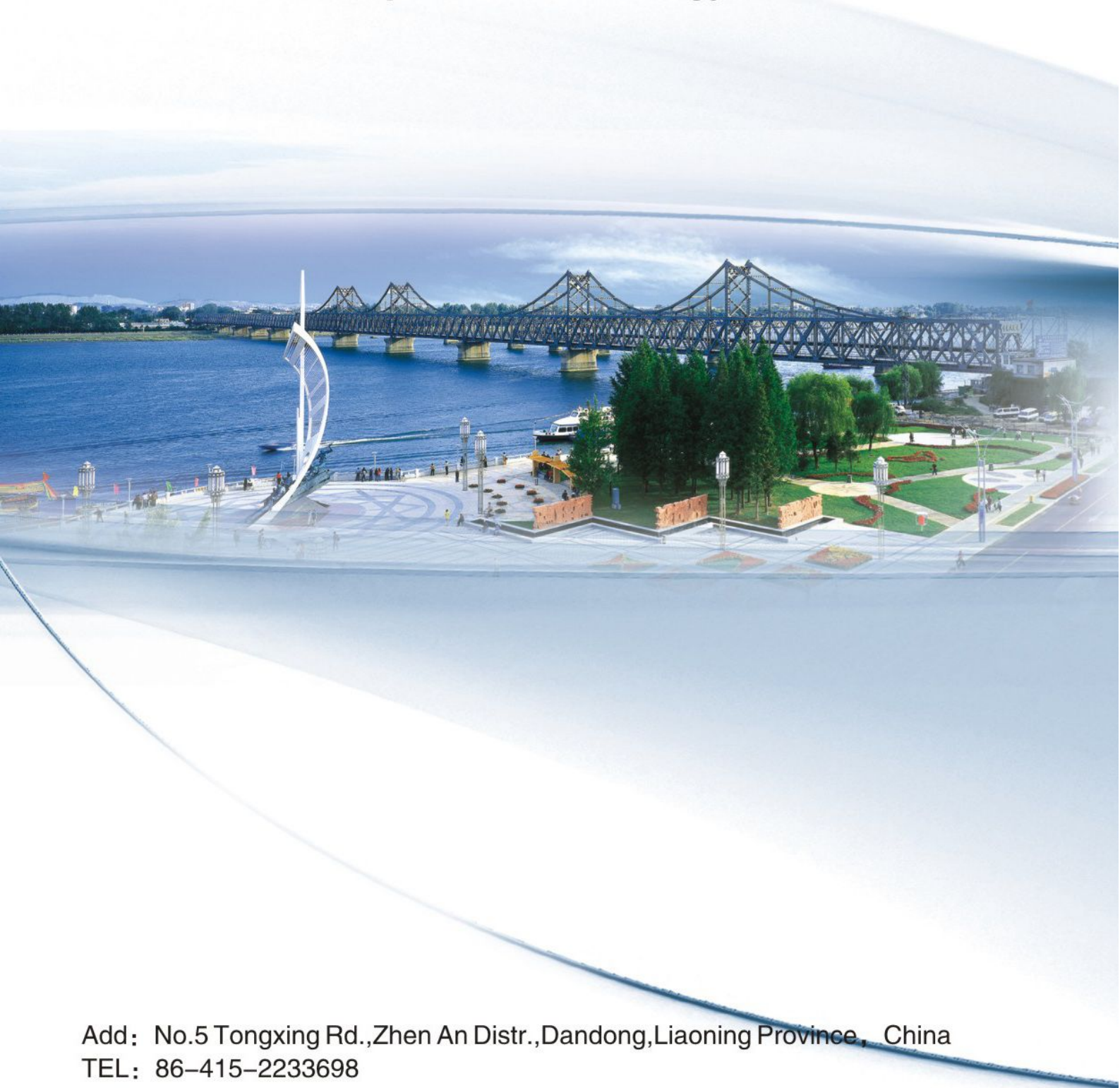
This system will operate together with X-ray equipment, to perform the on-line detection, with the principle that turn the X-ray into visible light by the image amplifier first, and then, show the inside failure of the work piece on the monitor by the zoom lens and high definition camera. It also can be furnished with the image treatment system, to increase the sensitivity of the system and add the function of printing and archiving as well.



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