

IMG-4B PLUS



AIR-CALIBRATION AGC (AUTOMATIC GAIN CONTROL) **REAL-TIME A-SCAN DIGITAL THICKNESS GAUGE**

The IMG-4B PLUS is an advanced ultrasonic thickness gage. Uses dual element transducer for internally corroded applications, features include thru-coating and echo-to-echo. It light weight and sunlight bright color LCD display. IMG-4B PLUS with A-Trace, large digital, B-SCAN many function. It's very good for field thickness corrosion measurement and analysis.

The IMG-4B PLUS is built by high impact aluminum housing. The silicone rubber side provides more protection for withstanding use in harsh industrial enviromental application



IMG-4B PLUS

FEATURES

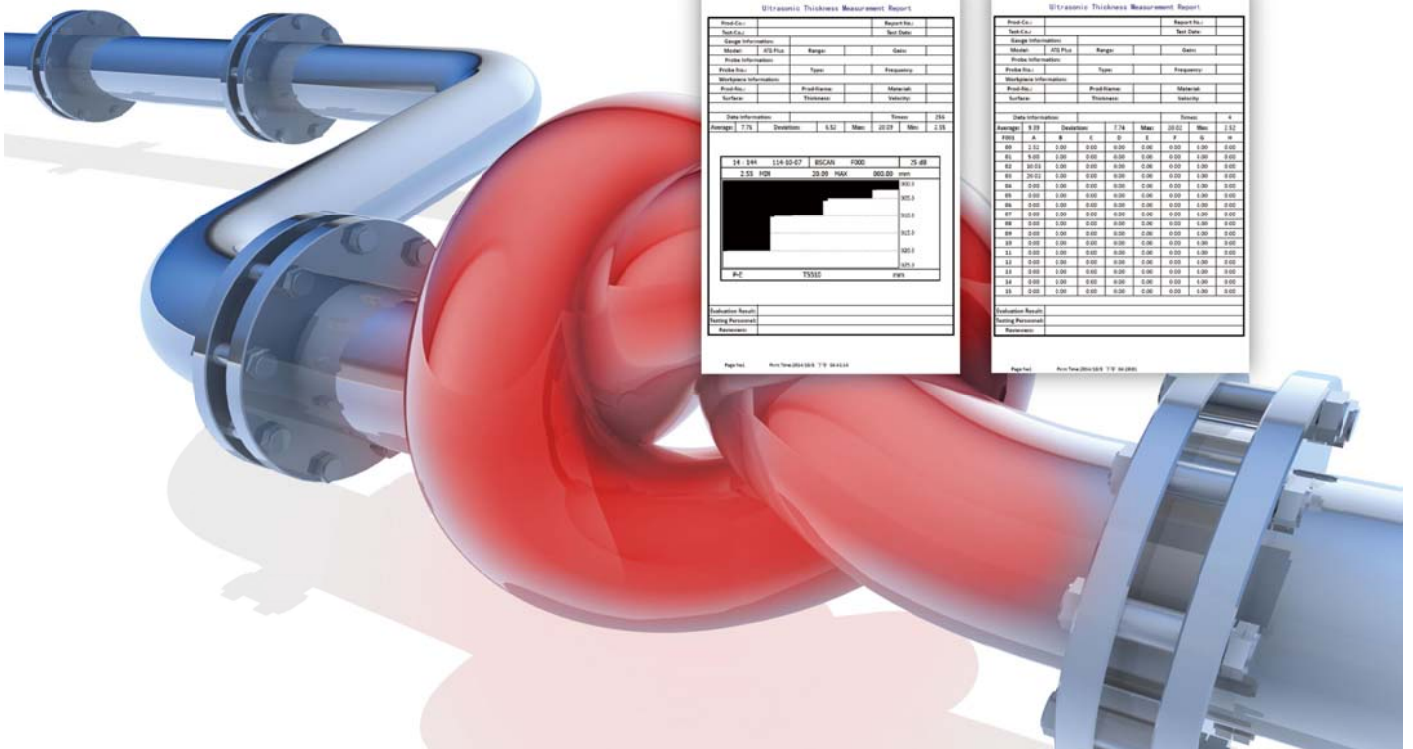
- LIGHT WEIGHT REAL-TIME A-SCAN DISPLAY
- TRUE COLOR TFT DISPLAY WITH ADJUSTABLE LIGHT INTENSITY
- THICKNESS, VELOCITY, AND TIME-OF-FLIGHT MEASUREMENT
- DIFFERENTIAL MODE AND REDUCTION RATE MODE
- PULSE-ECHO AND ECHO-ECHO THRU-PAINT MEASUREMENT
- SINGLE POINT AND TWO POINT CALIBRATION
- AUTOMATIC ASCAN TRACE CALIBRATION
- A-SCAN TRACE FREEZE AND SAVE
- B-SCAN TRACE FREEZE AND SAVE
- AUTOMATIC VELOCITY MEASUREMENT
- LARGE AMOUNT STORAGE MEMORY
- SINGLE BOARD PCB DESIGN, RELIABLE AND SOFTWARE UPGRADE EASILY
- EASY SOFTWARE UPGRADE
- 32 BIT WINDOW 7 AND 64 BIT WINDOW 8 REPORT SOFTWARE
- ON/OFF SWITCH CONTROL POWER ON/OFF



WINDOW REPORT SOFTWARE

Ultrasonic Thickness Measurement Report																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
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Ultrasonic Thickness Measurement Report															
Product Data					Report Data										
Serial No.					Test Date										
Range Information					Range										
Model					Date										
Probe Data					Type										
Probe Name					Material										
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Point Name					Velocity										
Surface															
Data Information															
Average		8.39	Standard		7.76	Min		20.29	Max						
2.55	100	30.00		1000	800.00										
Evaluation Results															
Name: P000															
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EAST OPERATOR INTERFACE WITH DIRECT ACCESS TO ALL FUNCTIONS

08:45 05-08-14	
FILE	F001
PROBE	TS510
UNITS	mm
VELOCITY	5920 m/s
RECTIFICATE	RF
BRIGHTNESS	—
A-SCAN	NEXT

08:46 05-08-14		mm
THICKNESS	255	
MAX ALARM	255	
MIN ALARM	000	
BSCAN MAX	025	
BSCAN MIN	000	
BSCAN FILE	NULL	
A-SCAN	BSCAN	NEXT



SPECIFICATIONS

DESCRIPTION	TECHNICAL DATA
OUTSIDE DIMENSION	155×80×35 (mm)
WEIGHT	275 g (INCLUDING BATTERIES AND COVER)
OPERATING TEMPERATURE	-20~45°C
POWER	THREE 1.5V AA TYPE BATTERIES
POWER ON/OFF	TRUN ON/OFF BY THE SWITCH
BATTERY LIFE	APPROX. 40 HOURS
SCREEN SIZE	320×240 DOT-MATRIC TRUE COLOR TFT SCREEN
PROBE	DUAL ELEMENT PROBE
MEASURING RANGE	0.65~420 mm (DEPENDING OF THE PROBES)
DIGITAL RESOLUTION	0.01 mm
OPERATING PRINCIPLE	PULSE ECHO WITH DUAL ELEMENT TRANSDUCER
VELOCITY RANGE	500~9999 (m/s)
PULSER VOLTAGE	150 V, NEGITIVE PULSER
dB GAIN SETTING	12-52 dB
DISPLAY UNIT	inch/mm
V-PASS CORRECTION	AUTOMATIC CALIBRATION
LANGUAGE	ENGLISH
DISPLAY MODE	NORMAL, MIN/MAX CAPTURE, DIFF/PR%, A-SCAN, B-SCAN, LARGE DIGITAL DISPLAY
A-SCAN TRACE DISPLAY MODE	FULL WAVE, RF
DISPLAY	A-SCAN, DIGITAL, B-SCAN
A-SCAN SAVE	250 A-SCAN TRACE
B-SCAN SAVE	250 B-SCAN RECORD
MEASUREMENT POINT STORAGE	128,000 POINTS WITH 1000 FILE NAME
LCD LIGHT INTENCITY	ADJUSTABLE 8 STEPS INTENSITY CONTROL
OUTPUT	USB PORT, 2.0
REPORT SOFTWARE	DATA VIEW WITH 32/64 BIT WINDOW SOFTWARE



STANDARD PACKAGE

- IMG-4B PLUS T-GAUGE
- TS510 PROBE
- KY DM-DM CABLE FOR TS510
- USB COMMUNICATION CABLE
- REPORT SOFTWARE
- COUPLANT BOTTLE
- OPTIONAL PROBES SELECTION



OPTIONS

1. TS112
2. TS210
3. TS510
4. TS400
5. TS500
6. TS600
7. HT510
8. KYDM-DM5
9. KY DM-DMD-5
10. KY DM-DM HT-5
11. S-4 TEST BLOCK, 2,5,5,10,20 mm
12. KY-5S 5 STEP PIPE BLOCK ,5,5,10,20 mm
13. KY-5SM 5 STEP PIPE BLOCK 1,2,3,4,5 mm
14. KY-7S 7 STEP PIPE BLOCK 1,1,5,2,4,6,8,10mm

TYPE	TS112	TS210	TS400	TS500	TS510	TS600	HT510
FREQUENCY	1MHz	2 MHz	10MHz	5MHz	5MHz	5MHz	5MHz
CRYSTAL SIZE	12 mm	10 mm	5 mm	5 mm	10 mm	10 mm	10 mm
MEASUREMENT	2-200 mm	2-250 mm	0.6-40 mm	0.8-60 mm	1.0-350 mm	2-60 mm	3-80 mm
TEMPERATURE RANGE	-10 TO 70 C	-10 TO 70 C	-10 TO 70 C	-10 TO 70 C	-10 TO 70 C	-10-150 C	-10-300 C

PROBE CABLE

PROBE	CABLE PART NO.	DESCRIPTION
TS112	KY DM-DM-5	DUAL LEMO 00-LEMO00, 1.5 m
TS210	KY DM-DM-5	DUAL LEMO 00-LEMO00, 1.5 m
TS400	KY DM-DMD-5	DUAL LEMO 00-DUAL MICRODOT, 1.5 m
TS500	KY DM-DMD-5	DUAL LEMO 00-DUAL MICRODOT, 1.5 m
TS510	KY DM-DM-5	DUAL LEMO 00-LEMO00, 1.5 m
TS600	KY DM-DM HT-5	ARMORED DUAL LEMO 00-LEMO 00 1.5 m
HT510	KY DM-DM HT-5	ARMORED DUAL LEMO 00-LEMO 00 1.5 m



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