

ATG II



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

The ATG II 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. ATG II with A-Trace, large digital, B-SCAN many function. It's very good for field thickness corrosion measurement and analysis.

The ATG II is built by high impact ABS housing. The silicone rubber protection cover provides more protection for withstanding use in harsh industrial enviromental application



ATG II

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									
Product Code	Report No.			Test Date					
Range Information	Range			Date					
Model	ATG II			Date					
Probe Information	Type			Frequency					
Probe No.	Type			Frequency					
Measurement Information	Probe Name			Material					
Probe No.	Probe Name			Material					
Surface	Surface			Velocity					
Surface	Surface			Velocity					
Data Information									
Range	1.74	2.00	2.26	2.52	2.78	3.04	3.30	3.56	3.82
1.74	2.00	2.26	2.52	2.78	3.04	3.30	3.56	3.82	4.08
2.00	2.26	2.52	2.78	3.04	3.30	3.56	3.82	4.08	4.34
2.26	2.52	2.78	3.04	3.30	3.56	3.82	4.08	4.34	4.60
2.52	2.78	3.04	3.30	3.56	3.82	4.08	4.34	4.60	4.86
2.78	3.04	3.30	3.56	3.82	4.08	4.34	4.60	4.86	5.12
3.04	3.30	3.56	3.82	4.08	4.34	4.60	4.86	5.12	5.38
3.30	3.56	3.82	4.08	4.34	4.60	4.86	5.12	5.38	5.64
3.56	3.82	4.08	4.34	4.60	4.86	5.12	5.38	5.64	5.90
3.82	4.08	4.34	4.60	4.86	5.12	5.38	5.64	5.90	6.16
4.08	4.34	4.60	4.86	5.12	5.38	5.64	5.90	6.16	6.42
4.34	4.60	4.86	5.12	5.38	5.64	5.90	6.16	6.42	6.68
4.60	4.86	5.12	5.38	5.64	5.90	6.16	6.42	6.68	6.94
4.86	5.12	5.38	5.64	5.90	6.16	6.42	6.68	6.94	7.20
5.12	5.38	5.64	5.90	6.16	6.42	6.68	6.94	7.20	7.46
5.38	5.64	5.90	6.16	6.42	6.68	6.94	7.20	7.46	7.72
5.64	5.90	6.16	6.42	6.68	6.94	7.20	7.46	7.72	7.98
5.90	6.16	6.42	6.68	6.94	7.20	7.46	7.72	7.98	8.24
6.16	6.42	6.68	6.94	7.20	7.46	7.72	7.98	8.24	8.50
6.42	6.68	6.94	7.20	7.46	7.72	7.98	8.24	8.50	8.76
6.68	6.94	7.20	7.46	7.72	7.98	8.24	8.50	8.76	9.02
6.94	7.20	7.46	7.72	7.98	8.24	8.50	8.76	9.02	9.28
7.20	7.46	7.72	7.98	8.24	8.50	8.76	9.02	9.28	9.54
7.46	7.72	7.98	8.24	8.50	8.76	9.02	9.28	9.54	9.80
7.72	7.98	8.24	8.50	8.76	9.02	9.28	9.54	9.80	10.06
7.98	8.24	8.50	8.76	9.02	9.28	9.54	9.80	10.06	10.32
8.24	8.50	8.76	9.02	9.28	9.54	9.80	10.06	10.32	10.58
8.50	8.76	9.02	9.28	9.54	9.80	10.06	10.32	10.58	10.84
8.76	9.02	9.28	9.54	9.80	10.06	10.32	10.58	10.84	11.10
9.02	9.28	9.54	9.80	10.06	10.32	10.58	10.84	11.10	11.36
9.28	9.54	9.80	10.06	10.32	10.58	10.84	11.10	11.36	11.62
9.54	9.80	10.06	10.32	10.58	10.84	11.10	11.36	11.62	11.88
9.80	10.06	10.32	10.58	10.84	11.10	11.36	11.62	11.88	12.14
10.06	10.32	10.58	10.84	11.10	11.36	11.62	11.88	12.14	12.40
10.32	10.58	10.84	11.10	11.36	11.62	11.88	12.14	12.40	12.66
10.58	10.84	11.10	11.36	11.62	11.88	12.14	12.40	12.66	12.92
10.84	11.10	11.36	11.62	11.88	12.14	12.40	12.66	12.92	13.18
11.10	11.36	11.62	11.88	12.14	12.40	12.66	12.92	13.18	13.44
11.36	11.62	11.88	12.14	12.40	12.66	12.92	13.18	13.44	13.70
11.62	11.88	12.14	12.40	12.66	12.92	13.18	13.44	13.70	13.96
11.88	12.14	12.40	12.66	12.92	13.18	13.44	13.70	13.96	14.22
12.14	12.40	12.66	12.92	13.18	13.44	13.70	13.96	14.22	14.48
12.40	12.66	12.92	13.18	13.44	13.70	13.96	14.22	14.48	14.74
12.66	12.92	13.18	13.44	13.70	13.96	14.22	14.48	14.74	15.00
12.92	13.18	13.44	13.70	13.96	14.22	14.48	14.74	15.00	15.26
13.18	13.44	13.70	13.96	14.22	14.48	14.74	15.00	15.26	15.52
13.44	13.70	13.96	14.22	14.48	14.74	15.00	15.26	15.52	15.78
13.70	13.96	14.22	14.48	14.74	15.00	15.26	15.52	15.78	16.04
13.96	14.22	14.48	14.74	15.00	15.26	15.52	15.78	16.04	16.30
14.22	14.48	14.74	15.00	15.26	15.52	15.78	16.04	16.30	16.56
14.48	14.74	15.00	15.26	15.52	15.78	16.04	16.30	16.56	16.82
14.74	15.00	15.26	15.52	15.78	16.04	16.30	16.56	16.82	17.08
15.00	15.26	15.52	15.78	16.04	16.30	16.56	16.82	17.08	17.34
15.26	15.52	15.78	16.04	16.30	16.56	16.82	17.08	17.34	17.60
15.52	15.78	16.04	16.30	16.56	16.82	17.08	17.34	17.60	17.86
15.78	16.04	16.30	16.56	16.82	17.08	17.34	17.60	17.86	18.12
16.04	16.30	16.56	16.82	17.08	17.34	17.60	17.86	18.12	18.38
16.30	16.56	16.82	17.08	17.34	17.60	17.86	18.12	18.38	18.64
16.56	16.82	17.08	17.34	17.60	17.86	18.12	18.38	18.64	18.90
16.82	17.08	17.34	17.60	17.86	18.12	18.38	18.64	18.90	19.16
17.08	17.34	17.60	17.86	18.12	18.38	18.64	18.90	19.16	19.42
17.34	17.60	17.86	18.12	18.38	18.64	18.90	19.16	19.42	19.68
17.60	17.86	18.12	18.38	18.64	18.90	19.16	19.42	19.68	19.94
17.86	18.12	18.38	18.64	18.90	19.16	19.42	19.68	19.94	20.20
18.12	18.38	18.64	18.90	19.16	19.42	19.68	19.94	20.20	20.46
18.38	18.64	18.90	19.16	19.42	19.68	19.94	20.20	20.46	20.72
18.64	18.90	19.16	19.42	19.68	19.94	20.20	20.46	20.72	20.98
18.90	19.16	19.42	19.68	19.94	20.20	20.46	20.72	20.98	21.24
19.16	19.42	19.68	19.94	20.20	20.46	20.72	20.98	21.24	21.50
19.42	19.68	19.94	20.20	20.46	20.72	20.98	21.24	21.50	21.76
19.68	19.94	20.20	20.46	20.72	20.98	21.24	21.50	21.76	22.02
19.94	20.20	20.46	20.72	20.98	21.24	21.50	21.76	22.02	22.28
20.20	20.46	20.72	20.98	21.24	21.50	21.76	22.02	22.28	22.54
20.46	20.72	20.98	21.24	21.50	21.76	22.02	22.28	22.54	22.80
20.72	20.98	21.24	21.50	21.76	22.02	22.28	22.54	22.80	23.06
20.98	21.24	21.50	21.76	22.02	22.28	22.54	22.80	23.06	23.32
21.24	21.50	21.76	22.02	22.28	22.54	22.80	23.06	23.32	23.58
21.50	21.76	22.02	22.28	22.54	22.80	23.06	23.32	23.58	23.84
21.76	22.02	22.28	22.54	22.80	23.06	23.32	23.58	23.84	24.10
22.02	22.28	22.54	22.80	23.06	23.32	23.58	23.84	24.10	24.36
22.28	22.54	22.80	23.06	23.32	23.58	23.84	24.10	24.36	24.62
22.54	22.80	23.06	23.32	23.58	23.84	24.10	24.36	24.62	24.88
22.80	23.06	23.32	23.58	23.84	24.10	24.36	24.62	24.88	25.14
23.06	23.32	23.58	23.84	24.10	24.36	24.62	24.88	25.14	25.40
23.32	23.58	23.84	24.10	24.36	24.62	24.88	25.14	25.40	25.66
23.58	23.84	24.10	24.36	24.62	24.88	25.14	25.40	25.66	25.92
23.84	24.10	24.36	24.62	24.88	25.14	25.40	25.66	25.92	26.18
24.10	24.36	24.62	24.88	25.14	25.40	25.66	25.92	26.18	26.44
24.36	24.62	24.88	25.14	25.40	25.66	25.92	26.18	26.44	26.70
24.62	24.88	25.14	25.40	25.66	25.92	26.18	26.44	26.70	26.96
24.88	25.14	25.40	25.66	25.92	26.18	26.44	26.70	26.96	27.22
25.14	25.40	25.66	25.92	26.18	26.44	26.70	26.96	27.22	27.48
25.40	25.66	25.92	26.18	26.44	26.70	26.96	27.22	27.48	27.74
25.66	25.92	26.18	26.44	26.70	26.96	27.22	27.48	27.74	28.00
25.92	26.18	26.44	26.70	26.96	27.22	27.48	27.74	28.00	28.26
26.18	26.44	26.70	26.96	27.22	27.48	27.74	28.00	28.26	28.52
26.44	26.70	26.96	27.22	27.48	27.74	28.00	28.26	28.52	28.78
26.70	26.96	27.22	27.48	27.74	28.00	28.26	28.52	28.78	29.04
26.96	27.22	27.48	27.74	28.00	28.26	28.52	28.78	29.04	29.30
27.22	27.48	27.74	28.00	28.26	28.52	28.78	29.04	29.30	29.56
27.48	27.74	28.00	28.26	28.52	28.78	29.04	29.30	29.56	29.82
27.74	28.00	28.26	28.52	28.78	29.04	29.30	29.56	29.82	30.08
28.00	28.26	28.52	28.78	29.04	29.30	29.56	29.82	30.08	30.34
28.26									

EAST OPERATOR INTERFACE WITH DIRECT ACCESS TO ALL FUNCTIONS

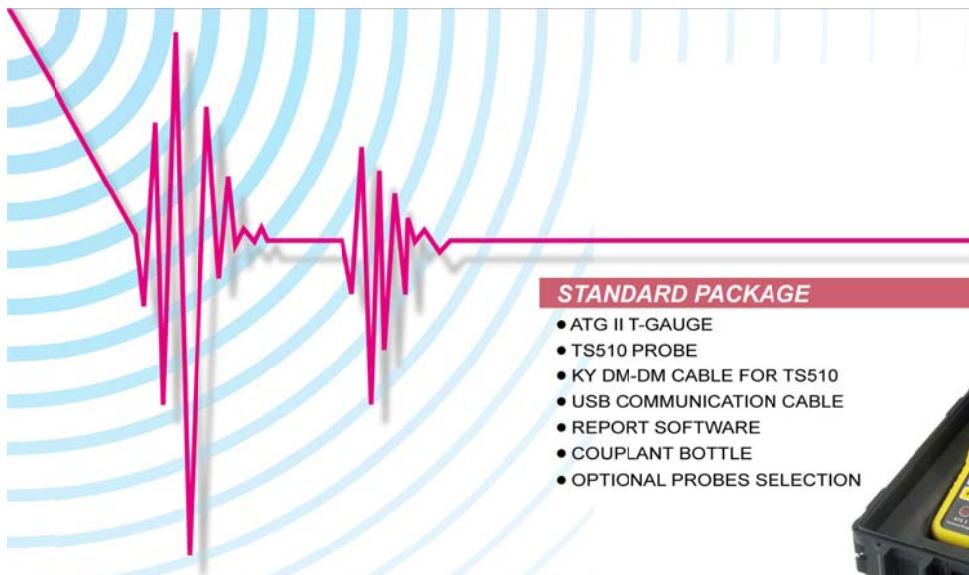
08:45 05-08-14	
FILE	F001
PROBE	TS510
UNITS	mm
VELOCITY	5920 m/s
RECTIFICATE	RF
BRIGHTNESS	—
A-SCAN	NEXT

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, NEGATIVE PULSER
dB GAIN SETTING	12-52 dB
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

- ATG II 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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