



ADVANSPEC UK

# AdvanScan TG-10

## Ultrasonic A-Scan Digital Thickness Gauge

### General Information:

AdvanScan TG-10 is an advanced digital ultrasonic thickness gauge. It uses dual element transducer for precise inspection of internally corroded elements. Some of the key features of AdvanScan TG-10 are pulse-echo and echo-echo thru-paint measurements. The inspection results are clearly shown on high contrast colour LCD display, ready for interpretation. AdvanScan TG-10 is particularly suitable for field work in remote locations due to its lightweight, compactness and high accuracy of measurements.



### Standard Package:

AdvanScan TG-10 GAUGE  
TP510 PROBE  
TC DM-DM CABLE FOR TP510  
USB COMMUNICATION CABLE  
REPORT SOFTWARE  
COUPLANT BOTTLE

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### Main Features

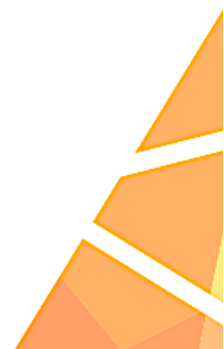
1. A-scan waveform display
2. B-scan record display
3. Coupling condition is different with color-coded thickness identification
4. Min-Max values for measurements
5. High-Low limited thickness mode and alarm
6. Difference mode: getting the difference between the actual value and the normal value as well as the percentage
7. Both Metric (mm) and Imperial (inch) unit systems available
8. Waveform: full wave and RF display
9. Optional rectification mode: full wave, +RF and -RF
10. Language: English
11. Battery operation time: up to 40 hours
12. Memory: can store 128000 point and 250 A-scan trace or B-scan Trace
13. Air Calibration (Optional function)
14. AGC (Automatic Gain Control)

Parameter	Value
Dimensions (mm)	155x80x35
Total Mass (g)	275 (including batteries)
Operating Temperature (C)	-20 / +45
Power Source	Three 1.5V Alkaline Batteries
Battery Life	40 hours
Display Parameters	320x240 Dot-Matric True Colour Screen
Probe Type	Dual Element Probe
Measuring Range (mm)	0.65-650
Digital Resolution (mm)	0.01
Velocity Range (m/s)	500-9999
Waveform Display Mode	Full Wave, +RF, -RF
Pulser Voltage	150 Negative Spike
Gain Setting (dB)	12-52
V-Pass Correction	Automatic Calibration
Measurement Point Storage	128,000 points
LCD Intensity Light Control	8-Step Adjustable
Output	USB Port
Report Software	Data View (Windows 7 and 8)
Software Language	English
Display Mode	Normal, Min/Max Capture, Diff/PR%, Digital, A-Scan, B-Scan

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### Additional Equipment:

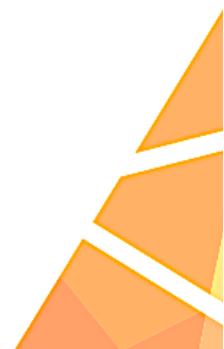


1. TP112
2. TP210
3. TP510
4. TP400
5. TP500
6. TP600
7. HP510
8. TC DM-DM5
9. TC DM-DMD-5
10. TC DM-DM HT-5
11. AST-4 TEST BLOCK, 2,5,5,10,20 mm
12. AST-5S 5 STEP PIPE BLOCK ,5,5,10,20 mm
13. AST-5SM 5 STEP PIPE BLOCK 1,2,3,4,5 mm
14. AST-7S 7 STEP PIPE BLOCK 1, 1.5, 2, 4, 6, 8, 10 mm

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### Additional Equipment Specifications:

#### PROBES

TYPE	TP112	TP210	TP400	TP500	TP510	TP600	HP510
FREQUENCY, MHz	1	2	10	5	5	5	5
CRYSTAL SIZE, mm	12	10	5	5	10	10	10
MEASUREMENT, mm	2-200	2-250	0.6-40	0.8-60	1.0-350	2-60	3-80 mm
TEMP RANGE, C	-10/+70	-10/+70	-10/+70	-10/+70	-10/+70	-10/+350	-10/+500

#### PROBE CABLES

PROBE	CABLE PART NO.	DESCRIPTION
TP112	TC DM-DM-5	DUAL LEMO 00-LEMO00, 1.5 m
TP210	TC DM-DM-5	DUAL LEMO 00-LEMO00, 1.5 m
TP400	TC DM-DMD-5	DUAL LEMO 00-DUAL MICRODOT, 1.5 m
TP500	TC DM-DMD-5	DUAL LEMO 00-DUAL MICRODOT, 1.5 m
TP510	TC DM-DM-5	DUAL LEMO 00-LEMO00, 1.5 m
TP600	TC DM-DM HT-5	ARMORED DUAL LEMO 00-LEMO 00 1.5 m
HP510	TC DM-DM HT-5	ARMORED DUAL LEMO 00-LEMO 00 1.5 m

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