

ITI-1700 ULTRASONIC FLAW DETECTOR

ULTRASONIC FLAW DETECTOR

ITI-1700



ITI-1700 Portable Ultrasonic Flaw Detector can test, orient, evaluate and diagnose various flaws such as unmelted weld joint, unpenetrated weld defect, crack, inclusion, air hole in workpiece's interior swiftly and accurately without any destruction. It is widely used in fields of power engineering , boiler pressure vessel , Steel Construction , war industry , aeronautics , rail transportation ,auto and machinery etc. It is the essential instrument in NDT industry.

FEATURES

- 100 independent channels optional, parameters can be set and save freely for variety of inspection procedures and standards, outdoor applications without test block.
- Square wave pulse generator, amplitude and pulse adjustable, suitable to detect flaw of work pieces of various materials and different depth.
- A-scan and B-scan
- DGS(AVG) curve available for flaw detecting of casting work pieces.
- Peak value inside gate captured automatically.
- Convenient automatic calibration function for normal probe, angle probe.
- Curve surface compensation function detecting the diameter to calibrate flaw position automatically.
- High light electroluminescent, screen viewable in strong light, weak light, as well as sunlight.
- Waveform and channel parameters directly saved into U disk, easily to be processed on PC with software.
- Directly connected to printer for report and wave printing.

EXTRA FEATURES OF ITI-1700

- Thin-Film Transistor Screen-TFT
- Video recording duration up to 3 hours
- Graphic demonstration of weld bead weld , crack depth measurement, curved surface correction, echo envelope, echo coding
- A-scan, B-scan and color B-scan
- FFT function
- Interface protection

Professional Nondestructive Equipments

India Tools & Instruments co./ Toolpost (india),
12/18, tawa lane,
Unity House, 1st floor,
Opp. A.R. Street,
BOMBAY - 400 003.

ITI-1700 ULTRASONIC FLAW DETECTOR**SPECIFICATIONS****SPECIFICATIONS**

Scan Range : 0 ~ 9999mm
 Velocity range : 1000 m/s ~ 9999m/s
 Gain : 0dB ~ 110dB
 Display Delay : -20 μ s ~ +3400 μ s
 Sensor Zero Offset : 0 μ s ~ 99.99 μ s
 Sensor Frequency : 0.2 ~ 15MHz
 Sensor Damping : 100 Ω , 150 Ω , 200 Ω , 500 Ω
 Repetition Rate: 10 ~ 1000Hz
 Sensitivity Allowance: ≥ 60 dB (D :200mm ,FBH: $\Phi 2$)
 Resolution: ≥ 40 dB
 Linear Rejection: 0 ~ 80%
 Vertical Linearity deviation: $\leq 3\%$
 Horizontal Linearity deviation: $\leq 0.2\%$
 Dynamic Range: ≥ 32 dB
 Pulse Pattern: square
 Pulse Strength: 100V—800V
 Pulse Width: 50ns—1000ns
 Operation Temperature: 20 $^{\circ}$ C ~ 50 $^{\circ}$ C
 Humidity: 20% ~ 90%RH

CONFIGURATION

No.	Description	Model	Qty.
1	Detector (with wristlet)	ITI-1700	1
2	Charger	CD20L02QF	1
3	Connecting cable	1M	2
4	Normal probe	F20mm,2.5MHz	1
5	Angle probe	13'13k2,2.5MHz	1
6	Couplant Bottle		1
7	Holster		1
8	Belt		1
9	Certificate		1
10	Operating manual		1
11	PC software		1
12	USB Disk	2G	1
13	USB disk connector		1
14	Plastic tape		1

FOR MORE ADDITIONAL INFORMATION OR PLACE AN ORDER CONTACT US AT OUR PHONE OR SEND US E-MAIL

India Tools & Instruments co./ Toolpost (india),
 12/18, tawa lane,
 Unity House, 1st floor,
 Opp. A.R. Street, BOMBAY - 400 003.
 INDIA

tel: 23428862 / 9819345050
 E-mail: itico@vsnl.com
 web:www.indiatools.net