

# Non Destructive Testing & Material Evaluation Portable Ultrasonic Flaw Detectors



## Features :-

- A bright High Resolution TFT Display.
- Light weight, easy to operate.
- DAC with Alarm.
- Rectified as well as RF Display.
- Freeze Mode.
- Dual Gate.

## SPECIFICATION FOR ULTRASONIC FLAW DETECTOR TS2028H

Test Range	: 0 to 10 meters
Frequency Range	: 0.5 - 10 Mhz.
Pulser Type	: Spike.
Gain	: 0 to 110 in db in the steps of 2db,6db & 20db
Sensitivity	: $140 \pm 3$ db
Suppression	: 0 to 100% height of the L.C.D screen
Linearity	: Linear display of echoes horizontal and Vertical with deviation $\pm 1\%$
Gain Accuracy	: Calibrated to $\pm 1$ db



Delay	: 0-500 mm in steel
PRF	: Coupled with test ranges 2KHz to 125 KHz
Voltage Supply	: 230 V / 50 hz or by NiCd cells
Acceptable Ambient Temperature	: 0 to 55 degree C
Gate (Monitor)	: Two Monitor
Monitor Threshold	: 25% to 100% of scale height
Display	: Colour TFT Display (112 x 98mm), Colour selection as per pre-defined programme.
Material Velocity	: 1000-9999 m/s adjustable, 2 fixed values (3230 / 5920).
Refracted Angle	: Variable 0° - 90°
Pulser Energy	: Low 200V / High 400 V.
Damping	: 100 and 400 Ohms.
Rectification	: RF full wave, rectified (+ ve).
Analog Bandwidth	: 0.5 to 10 MHz.

NOTE: Technical specifications are subject to change without prior notice, due to continuous upgradation.

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