CMS METROLOGY
CONTROL MEASUREMENT SYSTEMS

SATISFACCIÓN TOTAL DEL CLIENTE
1 AÑO de GARANTÍA
CMSMETROLOGY.COM.MX

CMSUFD-TABLET: High performance

We pursue the degree of portability in industrial flaw detection and make it simple. The team works hard day and night to develop new flat-panel flaw detector to make flaw detection more simple and convenient and meet the increasingly updated needs of modern flaw detection.

Features:

Keywords:square wave,intelligent, three-defense, flat, cloud detection, B/C scan

- dust-proof,water-proof and shock-proof, industrial-grade three-proof,suitable for harsh site environment
- intelligent flat panel ultrasonic flaw detector ufd-pad
- square wave pulse excitation, optimized electro-acoustic matching is moresuitable for ultra-thick /ultra-thin workpiece detection
- ultra-thin intelligent tablet host wiht high sensitivity and touch high-definition screen
- wi-fi wireless Internet of things property, power cloud detection
- integrated XY position encoder, B/C scan detection system application(optional)
- a variety of scanners can be widely used in pipes, plates, welding seams, etc.(optional)

Application field

- NDT metal inspection
- research and university demonstrations
- Pressure vessels, petrochemical, aerospace, welding, railways, steel mills, nuclear industry, aircraft manufacturers, automobile production

General descriptions

- Is our new generation ultrasonic flaw detector, which can transmit and receive ultrasonic waves in a single channel
- 's advanced technology makes it unique and its products can be applied in more fields, such as medical ultrasound imaging, NDT, also used in research and university lectures.
- VGA gains range from 0 to 80 dB
- DAC curves are also available
- BBB 0 12 bit analog digital converter with sampling frecuency of 80
- BBB 0 MHZ is used to digitize ultrasonic signals.

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CYM

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Parameter

Win10 system
Support WIFI
Support gravity sensing
The USB interface
The Mini HDMI
CPU using 1.92 GHz
12 nuclear Intel Cherry
Trail Z8350 processor

SPECIFICATIONS

Measuring Range 1.0~1000mm
Resolution
0.01mm(<100mm) 1mm(>100mm)
Velocity
500~20000m/s 20fixed velocities
Delay
-10~1000mus /resolution : 0.1us
Probe Delay
0~200us /resolution: 0.01us
Auto Calibration
Velocity Calibration &Probe Delay
Calibration
Linear Error
Horizontal error $\leq$ 0.1%
Vertical error $\leq$ 3%
Dynamic Range $\geq$ 36dB
Sensitivity
$\geq$ 64dB 200mmϕ2 flat-bottomed hole
Dimension (mm) 280×185×26.5
Weight
Kg（including battery pack）
Working Environment
Temperature：-10℃~50℃
Humidity：5%~ 90%

Pulse

Dive Pulse
Square wave pulse 50-200v,
Pulse width 25ns-15us
Maximum 20KHz repetition frequency
The pulse transmission repetition
frequency PRF is continuously adjustable

Receiver

To detect patterns
Pulse echo/transmit receive/transmit
Measurement peak/edge
Gain 0 ~ 80 db
Detection methods
Positive/negative half wave /RF/ full wave
The frequency bandwidth
0.1M-20M

Display

With 10 inches, IPS, 1920 x 1200 touch
screen

Gate

Gate Two Separated Gate A/B
Measured value display
5 measured value display area,
SA/SB/DA/DB/PA/PB/A%A/A%B/dBtA/
dBtB/dBrA/dBrB/SBA/DBA/PBA/LA/LB
Alarm
Independent logic gate alarm, alarm
hreshold thickness measurement

Ultrasonic flaw detector
CMSUFD-TABLET

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Storage

Hard disk space: 60G

Channel Parameters   20

A Scan   2000

Thickness values   200,00 data

Wave video

Reference wave   4

Input / Output

Probe connector   C5

Regional

Clock Real-time display date/time

Language   English &Chinese

Unit   mm/inch

Battery

The battery

Lithium battery adopts 3.7v12000mah

battery for continuous operationDo 8 hours

Enter 100 ~ 240 v / 50 ~ 60 hz

Output 5 VDC / 2 a

Equivalent curve

DAC curve

Can record 30 calibration points;

Automatic Gain; any order calibration;

calibration / edit two modified methods;

consider the material attenuation and

surface compensation factor; five

adjustable gain curve to assess

compliance with JIS and API Standards

DGS curve

large flat-bottomed, flat-bottomed hole,

through-hole

High ranking

U disk storage

Storage screen

shots/waveform/thickness three data report

Gate broadening

Gate area of concern for the details of

observation and analysis

B-scan two-dimensional coding

Thickness / contour scanning; grayscale /

color palette settings

Curve freeze   YES

Characteristic indicator

Sound path measurement wave front and

amplitude measurement position indicator

CSC Surface Correction

According probe angle, diameter of the

work-piece thickness and curvature

correction for the measured values

Lock

data set can be locked to avoid accidental

deletion of data

Screen Saver Standby/Text/off

Standard

Main engine   1

Straight / angle probe   2

Probe line   2

Chargers   1

Battery   1

The instructions   1

The packing cases   1

The coupling agent   1

optional

160MHz sampling frequency