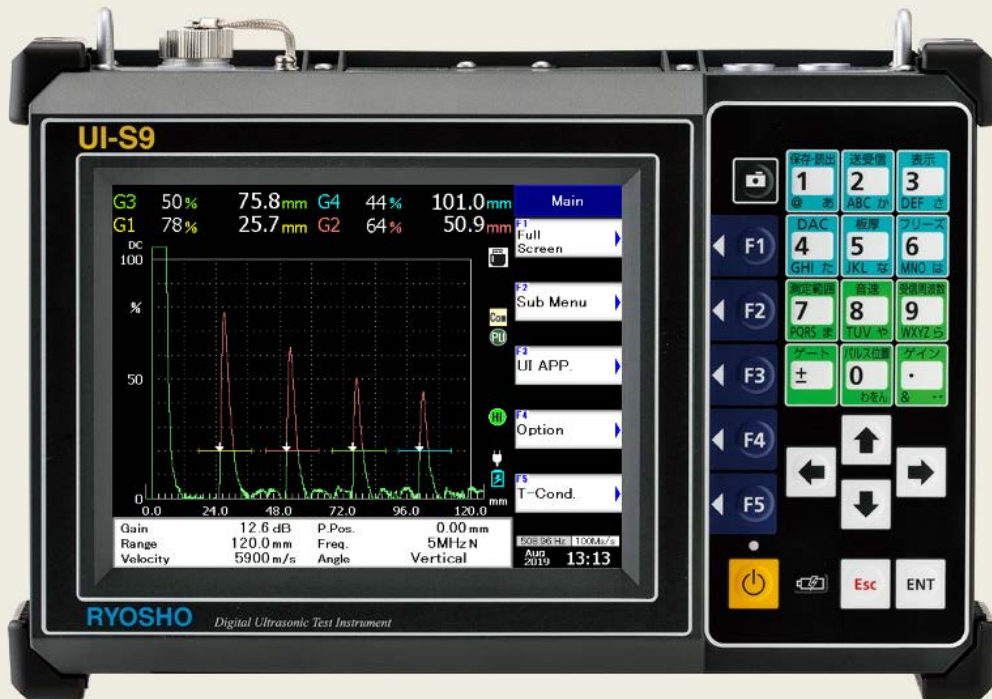


Digital Ultrasonic Test Instrument
(Ultrasonic Flaw Detector)

UI-S9

Newcomer in UI series!
Easy to see also Easy to use



Features of UI-S9



6.5 "high
brightness LCD



Stored USB
memory



Step-less stop
stand



Hand strap
(Option)



Protection:
IPx6

UI-S9 DIGITAL ULTRASONIC INSTRUMENT

● Display

Screen size: 6.5"VGA a-Si TFT active-matrix
Display area: 132.5 X 99.4
Pixels : 640(W) X 480(H)
A scan pixels: 424(W) X 316(H)
530(W) X 421(H) Enlargement

● Size (mm) • Weight (kg)

250(W) X160(H) X96(D)
Approx.2.6kg Incl. Battery

● Case (IPx6)

Reinforced ABS resin (front and rear)
Aluminum alloy (Top)

● Transmitter section

Output impedance: 50Ω or less
P.R.F.: Link with test range
Pulse rise up time: Less than 10ns
Wave form: Square wave pulse
Voltage: Low / Medium / High
Damping: 50 / 300Ω

● Receiver section

Gain: 110dB (in step of 0.1dB)
Sensitivity: 80dB or better at 5MHz narrow band
Input impedance: 50Ω±15% / 300Ω±15%
Receiver amplification center frequency:
0.25/ 0.5/ 1/ 2/ 3/ 4/ 5/ 10/ 15/ 25MHz
Amplifier linearity: ±3% Max

● Time-base section

Test range:
5.9 to 14,556 mm in sound velocity 5900 m/s
Adjustable delay: full scale to 3,000 μs ±5%
Display time-base linearity: ±1% Max

● Gate section

Delay range:
0 to full scale time range on the display
Gate marker width:
0 to full scale time range on the display
Number of gate: 4

● Standard accessories

1, Li-Ion battery: UI03-LB78: 1
2, AC adapter: TE65ES-S3-11505: 1
3, USB memory stick: 1
4, Manual, Test certificate, Warranty: 1set
5, JSNDI key sheet: 3

● Frequency analysis function

Center frequency: 0.25 to 25MHz adjustable
Display range: 50MHz max

● Temperature

Ambient temperature: 0 to 40°C (operation)
-20 to 60°C (storage)

● Standard functionality

Measurement methods:
single probe / dual probe / transmission technique
Wave form selections: DC / DC+ / DC- / RF
Beam path measurement methods:
Peak / Up / First echo / Zero crossing
Angle beam technique support function:
JIS,AWS,ASME, Auto DAC function
Refraction angle measurement function
Curvature correction function
AWS function, B mode

● Power section

AC adapter: 100 to 240V±10% 50/60Hz±3Hz
Battery: Li-Ion cell12V 7.8Ah: 1.
Battery operation time: approx. 10 Hours
Charging time: approx. 2.5Hr 80%, 5Hr 100%

● Optional software

Dedicated PC software
EDAC function
DGS function
Deformed steel bar gas pressure welds checking
(Based on JIS Z 3062 2009)

● Optional extras

1, External charger: UI03-CG27 (Same of UI27)
2, Soft case (protector): UIS9SC
3, Carrying case: UIS9CA
4, Hand strap: UIS9HS

RYOSHO

RYODEN SHONAN ELECTRONICS CORPORATION

YAMAZAKI 25, KAMAKURA-CITY, KANAGAWA
247-0066 JAPAN