**Барааны нэр: ………………………….**

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| ***№*** | ***Захиалагчийн техникийн тодорхойлолт***  *(Тухайн барааны үзүүлэлт тус бүрийг дор жагсааж бичих ба хэрвээ чанарын баталгаат хугацаа шаардах бол бичнэ үү.)* | | ***Санал болгож буй техникийн тодорхойлолт***  ***(****Зөвхөн санал болгож буй барааны техникийн тодорхойлолтыг бичнэ үү.****)*** | ***Тайлбар***  *(дээрх үзүүлэлтийг нотлох баримт бичиг болон танилцуулгыг хавсаргана)* |
| 1 | Display Screen | 5.7" high brightness TFT LCD, 640 x 480 pixels |  |  |
| 2 | Measuring Units | Inch / mm |  |  |
| 3 | Peripheral Ports | USB, SD card (16G) and VGA ports (sharing same mini HDMI with I/O signal port) |  |  |
| 4 | Languages | English, German, Russian, Polish, Hungarian |  |  |
| 5 | Power Supply | DC 12V (external power supply); 7.4V (battery) |  |  |
| 6 | Battery Operating Time | ≥8h (under factory default mode) |  |  |
| 7 | Operating Temperature | 14°F - 113°F (-10°C - 45°C) |  |  |
| 8 | Storage Temperature | -4°F - 140°F (-20°C - 60°C) |  |  |
| 9 | IP Code | IP66 |  |  |
| 10 | Weight | 2 lbs. (0.9kg) including battery |  |  |
| 11 | Dimensions | 8" x 5" x 2" (198 x 128 x 50mm) |  |  |
| 12 | Encoder | 1pc (4-core) |  |  |
|  | of Channels | 1 |  |  |
|  | Probe Connector Type | LEMO 00 |  |  |
|  | # of Probe Connectors | 2 |  |  |
|  | Max Supporting Elements | 2 |  |  |
|  | Pulse | Negative Square, Negative spike pulse |  |  |
|  | Transmitting Voltage | 50 - 350V, steps 50V |  |  |
|  | Pulse Width | Negative Square: 50-500ns, step 10ns Negative spike pulse: ≤40ns |  |  |
|  | PRF | Negative Square: 10-1000Hz adjustable, step 10Hz  Negative spike pulse: 10-2000Hz adjustable, step 10Hz |  |  |
|  | Damping | 50/1000Ω, 2 levels |  |  |
|  | A/D Sampling | 240MHz / 10bit |  |  |
|  | Sampling Point | 1024 points, 16bit/point |  |  |
|  | Gain | 0-110dB, step: 0.5/2/6/12dB |  |  |
|  | Fine Gain | -4 - 4 |  |  |
|  | Surface Compensation | Full gain range |  |  |
|  | Bandwidth | 0.5 - 20MHz (-3dB) |  |  |
|  | Operating Frequencies | 1-4MHz / 0.5-10MHz / 1MHz / 2.5MHz / 4MHz / 5MHz / 10MHz / 13MHz / 15MHz / 20MHz, 11 levels |  |  |
|  | Rectify | Negative / Positive / Full / RF / Filter |  |  |
|  | Reject | 0-80%, step 1% |  |  |
|  | Detection Range | 0-39" (0-1500mm), min. display range 0.1" (2.5mm) |  |  |
|  | Material Velocity | 100-20000m/s, min step 1m/s |  |  |
|  | Pulse Shift Range | -0.4"-40" (-10-1000mm) min step 0.004" (0.1mm) |  |  |
|  | Probe Zero | 0-200us, min step 0.01us |  |  |
|  | Probe Flank | 0"-4" (0-100mm), step 0.004" (0.1mm) |  |  |
|  | Wizard | For weld, plate and forge testing |  |  |
|  | Test Point | Peak / Flank / J Frank |  |  |
|  | Measurement | Gate: amplitude, amplitude dB difference, sound path, horizontal distance, vertical distance, south path difference between Gate A and B.  Cursor: 2 cross cursors, measuring horizontal and vertical positions on B-scan image and distance between cursors (activated optional B-scan B. ) |  |  |
|  | Gate Mode | Standard |  |  |
|  | # of Gates | 2 |  |  |
|  | Gate Start | Full range |  |  |
|  | Gate Width | Full range |  |  |
|  | Gate Thresh | 10-90%, step 1% |  |  |
|  | Rectify | Negative / Positive / Full / RF / Filter |  |  |
|  | Reject | 0-80%, step 1% |  |  |
|  | Detection Range | 0-39" (0-1500mm), min. display range 0.1" (2.5mm) |  |  |
|  | Calibration | Zero point, zero point + velocity, probe angle |  |  |
|  | Alarm | Audible and visual alarm: positive / negative |  |  |
|  | Screen Display Combination | Normal, full screen |  |  |
|  | Curve Function | Up to 6 DAC (curve / line), up to 10 reference points for each curve line. AVG / DGS |  |  |
|  | Axiliary Function | Full screen, coordinates switch (sound path / depth / horizontal), single / continuous auto gain (10-100%, step 10%), SeeColor, WaveComp, WaveFull, PeakEnv, PeakEcho, FastScan, Outdoor, gate magnify, CineRec, PrintScreen. Auto Freeze (Gate: A, B, A and B, A or B) |  |  |
|  | Storage Function | Save, recall and delete the parameter, data files, record files, printscreens, depends on the SD card capacity. |  |  |
|  | Data Post Processing | Playback, analysis, reports of parameters, record files, printscreen files in SuporUp software. |  |  |
|  | Time Base Linearity | ≤0.5% |  |  |
|  | Vertical Linearity | ≤3% |  |  |
|  | Amplitude Linearity | ≤±2% |  |  |
|  | Attenuator Precision | 20dB + 1dB |  |  |
|  | Dynamic Range | ≥30dB |  |  |
|  | Optional Software | AWS, API, CSC (Curved Surface Correction), TCG, B-Scan, Flat weld simulation, Crack height measurement, Probe Spectrum Analysis. |  |  |
|  | Detection Range | 0.02"-24" (0.5-600mm) subject to probe, material, temperature and selected configuration) |  |  |
|  | Indication Resolution | 0.0001" / 0.001" / 0.01" (0.001 / 0.01 / 0.1mm) |  |  |
|  | Indication Precision Error | 0.03"-0.4" ± 0.002" (0.80-9.99mm ± 0.05mm)  0.4"-4" (10.00-99.99mm ± (1%H + 0.04)  4"-16" (100.00-400.00mm) ± 3%H  Tested with TGM5-10L Probe; H is the measured thickness. |  |  |
|  | Tube Wall Thickness | With TGM5-10L probe, it can measure steel tubes with diameters no less than 0.8" (20mm) and wall thickness no less than 0.08" (2mm) |  |  |
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