



# Perlong Medical Equipment Co., Ltd.



**Advanced Portable Ultrasound scanner system**

**-----Model: PT-1602**



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## Standard features:

- B/CFM/PW triple synchronization;
- 5 levels Image optimization;
- Digital beam-forming;
- Un View- speckle reduction;
- Tissue harmonic imaging;
- PW automatic envelope measurement;
- IMT (Carotid intima-media thickness) automatic envelope measurement;
- Biopsy guide;
- Build-in editable report page;

## Physical specification:

- Dimension: 308mm\*310mm\*66mm;
- Net Weight 4 Kg;
- Monitor 12inch LED;
- Resolution: 1024\*768;
- Probe ports: 2-probe active ports;
- Hard-disk: 60G SSD.

## Imaging Modes:

- B B&M 2B 4B, THI, PW

## Imaging parameters:

- Imaging processing Persistence, Gamma, edge enhancement, compression curve, gray, 16 kinds of pseudo-color processing, focuses, canvas, Fov, contrast, brightness, Invert b/v, Mirror, Reverse;
- PW parameters: PW processing, spectrum reversal, envelope threshold, automatic envelope, volume;
- Gary scale: 256;
- Dynamic range 80-280dB;
- Gain control total gain 8—slice TGC;
- Scanning depth 400mm max;
- Acoustic power 3 levels adjustable real-time display MI/TI;
- Zoom 10\*magnify;

- Cine-loop 200-2000 frames max auto/manually play back;

## Measurement:

- General measurement Depth, Distance, Trace Length, Ratio (D);
- Area: Ellipse, Trace;
- Volume: 3-Distance, Ellipse, EDist;
- M mode: Distance, time, slope, Heart Rate;
- Clinical measurement package: Abdomen, OB, Gynecology, Cardiac, Urology, Small Parts

## Body mark:

- More than 64 body marks for versatile application;
- With body position markers

## Language supported:

- Chinese, English, Spanish, Russian, French, Portuguese, Germany

## Transducer types:

SL No	Probe Type	Radius/L	Frequency Range(MHz)	Human/ vet	Clinical application
CT3.5C60 GN	Convex	R60	2.0 MHz /3.0 MHz /3.5 MHz /4.5 MHz /6.0MHz	Both	Abdomen, Obstetrics, Gynecology, Kidney, Urology
CT7.5L40G N	Linear	L40	5.0 MHz /6.0 MHz /7.5 MHz /9.0 MHz /12.0MHz	Both	Vascular, Small parts, Muscleskeletal, Carotid, Nerve, Orthopedic
CT6.5C10 GN	TV	R10	4.5 MHz /5.0 MHz /6.5 MHz /7.5 MHz /10.0MHz	Both	Gynecology, Obstetrics, Urology

CT3.5C20 GN	Micro Convex	R20	4.5 MHz /5.0 MHz /6.5 MHz /7.5 MHz /10.0MHz	Human only	General small abdomen and Cardiac Equine musculoskeletal and abdomens
CT6.5C15 GN	Micro Convex	R15	5.0 MHz /6.0 MHz /7.5 MHz /9.0MHz /12.0MHz	Both	General small abdomen and cardiac Equine musculoskeletal and abdomens

CT7.5C20 GN	Micro Convex	R20	5.0 MHz /6.0 MHz /7.5 MHz /9.0MHz /12.0MHz	Both	General small abdomen and cardiac Equine Musculoskeletal and abdomens
CT6.5L64G N	Linear transrectal	L64	5.0 MHz /5.5 MHz /6.5 MHz /7.5MHz /10.0MHz	Veterin ary only	Equine and bovine reproduction Equine musculoskeletal Fish-sexing, egg determination

### Standard configuration:

- Main unit with Convex probe and Linear probe;
- Peripheral ports: VGA, 2 USB ports, HDMI port, DICOM port, LINE OUT port;
- Electrical Power supply: 100-240V~50/60Hz 100VA;
- Li-lion battery: 3.2Ah;
- Video & PC printer **(Optional)**

### Pictures:

