





# Pocket UT™: Portable Ultrasonic C-Scan Imaging System



## 5 UT Instruments in 1

- Thickness Testing with A-Scan • Complete C-Scan
- RF Spectrum Analysis • Flaw Detection with A & B Scan
- TOFD (Time-Of-Flight-Diffraction)

For more information, please call 1-609-716-4000 or visit us on the web at [www.mistrasgroup.com](http://www.mistrasgroup.com)

### Pocket UT™ Specifications

Functions:	Thickness gauge, flaw detector, A-, B- or full C-Scan
Pulse Voltage:	50- 400V Turnable Spike, Square, Tone Burst
Pulse Width:	50- 1000ns
Pulsed Repetition Rate:	50Hz - 1 kHz
Bandwidth:	500 kHz - 20 MHz
Receiver Gain Range:	0-92 dB
A/D Resolution:	10 bits
Maximum A/D Rate:	100M Samples per second - 100MSPS
UT Operation Mode:	Pulse-echo and through transmission
Dist. Amplitude Correction:	Up to 60dB in 0.1 dB steps
Gates:	2 independent gates with separated gate delay, width controls, synchronization on threshold and detect on threshold
Selectable Filters:	6 high pass and 5 low pass (127 Tap FIR)
Selectable Trigger:	Software controlled, external input, signal threshold
Screen Operation:	Freeze, waveform recall, zoom, pan and reference memory
Report Generation:	Can be used directly or further processed with PC-based UTwin Replay-software
USB Port:	USB connectivity port
Monitor:	Standard 3.5" 1/4 VGA TFT display with 240 W x 320 H pixel resolution, touch screen
Power:	Powered by 7.2 V integrated battery pack (user replaceable) or 100/240 V AC through an external AC/DC adapter/charger
Battery Time:	Up to 4 hours, rechargeable, nickel metal hydride
Operating Temperature:	-5° C to 45° C
Operating Humidity:	Up to 95%, non-condensing
Dimensions:	9.5 x 5 x 2.2 in (240 x 130 x 60 mm)
Weight:	2 lbs (9 kg)

### POCKET UT™ SYSTEM

Pocket-UT™ Hand Held Ultrasonic Full C-Scan Data Acquisition System comes complete with Windows CE Operating System, Pocket UTwin™ with A, B, & C-Scan and the following accessories:

- 1 - NiMH Battery Pack
- 1 - 100-240 VAC, 50/60Hz, Pocket DC Adaptor
- 1 - 5 MHz, General Purpose Contact Transducer
- 1 - Sensor Cable, BNC to SMB, 2 Meter
- 1 - Bottle of UT Couplant
- 1 - USB Download Cable
- 1 - Carrying Case
- 1 - User Manual (Part #1611-1000)
- 1 - 1GB Compact Flash Card

### OPTIONS FOR POCKET UT™ SYSTEM

- Pocket UT™ External Battery Belt #1611-5045
- Tethered Stylus #M001-2110
- Pocket NDT Fabric Case w/Tethered Stylus #1611-5055
- E317 Calibration Certificate

### SOFTWARE OPTIONS

- Pocket UTwin™ Replay
- TOFD Option for Pocket UT™ P/N 1611-7001
- TOFD Option for Pocket UTwin™ Replay

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