DME 301

The leading tool for Plot Sampling

The pioneering system for measuring distance with ultrasound

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One push of the button to determine distance, even through thick undergrowth!

DME 301

The DME 201, available since the 1990s, has reliably served numerous forestry professionals and others. It is now being upgraded to the DME 301, an advanced model equipped with cutting-edge electronics and innovative features.

The DME 301 retains all the capabilities of its predecessor, while also introducing the new T4 transponder with six LED indicators that blink during operation. It features a graphic display, provides signal readings, offers a BAF range from 0.0 to 999.9, and includes a "DIST" function to notify users when a specified distance is exceeded.

Ultrasound technology is effective in dense vegetation

- **Works even when the transponder is blocked**
- **Measure the distance between DME 301 and a T4 transponder or two DME 301**
- **"BAF" Reverse Prism: function (basal area factors), variable from 0.0 to 999.9.**
- **"DIST" function that warns when the distance exceeds a preset distance**
- **Simple and easy to use**
- **Offers quick, reliable and accurate results**
- **Pocket size and rugged**
- **Orange houses enhance visibility.**
- **Graphic display**
- **Signal**

T4 Transponder

The T4 is the advanced Transponder replacing the T3 and its predecessors. It features six integrated LEDs that deliver crucial information:

- Quickly determine if the T4 is active and interacting with your measuring instrument.
- Detect any interference for precise measurements.

Additionally, enjoy the enhanced housing of the T4:

- Increased battery space compatible with all 1.5V (AA) batteries.
- Upgraded electronics for an extended product life.

The T4 ensures full compatibility with older measuring devices, offering an effortless upgrade for users. The new benchmark for all measuring instruments, including Vertex 5, Vertex Laser Geo, and more...

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Offers quick and accurate results

Thanks to its ultrasonic technology, the DME system provides fast and precise readings even in challenging environments with dense undergrowth.

Measure the distance between the DME 301 and a T4 transponder or using two DME 301s. Communicates only with a transponder or another DME 301 so that there is no mistaking where the distance is measured from..

Pocket size and rugged,

Useful in forest inventory, road construction, structural measurements, timber cruising and stakeouts. Get accurate distance readings in metric or Imperial units of up to 30m/98ft or more.

BAF (basal area factors)

Reverse Prism: Avoid many issues of traditional prism cruising, such as blocked views from the plot center.

The BAF function allows you to use the DME 301 on a sample point. By setting the desired BAF factor from 0.0 to 999.9, the DME 301 will then calculate the minimum diameter of a tree to be included in your sample point.

DIST

The "DIST" function notifies users when a predetermined distance limit is exceeded. This feature is particularly useful for inventorying circular sample plots where a fixed radius is applicable. The DME 301 emits an alert signal once the specified radius is surpassed.

The DME 301 Package includes

- 1 DME Measring instrument
- 1 T4 transponder
- 1 360 adapter (360 degree ultrasound spreader)
- 1 Two-part extendable mono-pod
- 1 Aluminum Hard-case

DME 301

Size:	30 x 40 x 125 mm / 1.2 x 1.6 x 4.9"
Weight:	90g/0.2 lb (incl. battery)
Temperature:	Min -15° Max 45° C / Min 5° Max 113° F
Ultra sonic frequency:	25 kHz
Distance:	30 m/98 ft. With 360° adapter: 20 m/60 ft.
Accuracy:	1% or better
Resolution:	0.01 m / 0.1 ft
Power supply:	One 9 voltage alkaline Battery. Current 7mA
BAF factors:	Variable from 0.0 to 999.9
Package contents	1 DME 301 Measring instrument 1 T4 transponder 1 360 adapter (360 degree ultrasound spreader) 1 Two-part extendable mono-pod 1 Aluminum Hard-case

Transponder T4

Size:	Diameter 70 mm/2,8"
Weight:	85 g/5 oz (Incl. Battery)
Battery:	1.5V AA alkaline
Consumption:	max 9mW

360 adapter

Size:	Diameter: 58mm/2.3" Height: 45mm/1.8"
Weight:	35g/1.2oz

Mono-pod

Size two parts:	Transport mode length: Part 1 335mm/13.2", Part two 320mm/12.6". In use length: Min: 350 mm/13.8" Max: 1390 mm/54.7"
Weight:	335g/11.8oz

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