

Ultrasonic wave measuring tool

USM 3.1

Horns are extremely complex tools for the ultrasonic welding. The quality requirements to the design have to be highest of all. Only if these requirements are complied, sonotrodes will work proper and adequate, they will have a long life cycle and you will get best results in welding.

With our USM 3.1 you are able to check the quality of your sonotrodes reliable. Within seconds you determine by simply scanning if the sonotrode pulsates correctly at the critical areas, if the zero point is situated correctly, and if the lateral oscillations range within the reasonable scope.

USM 3.1 – indispensable for the evaluation of sonotrodes quality.

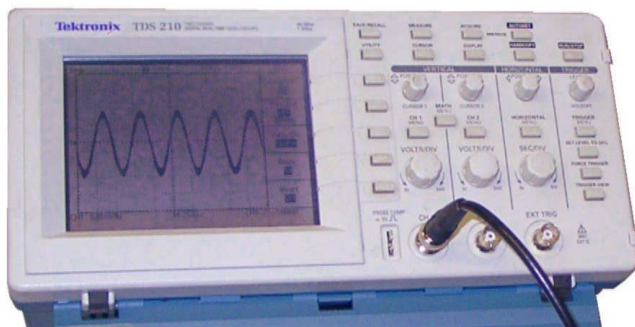
Technical comments

The USM 3.1 allows visualizing the sinus curve on your oscilloscope and determining the quality of your horn.

In the picture below, the horn pulsates not proper. This wrong wave tends to result in early wastage and bad welding results.

We in our company analyse sonotrodes of all frequencies and optimize the geometry, if necessary. Because of our several computer programs we are in a position to find out the best design. This allows us to guarantee for the quality of our horns.

At our homepage www.rittmeyer-beri.de you can find a lot of additional advices to our sonotrodes.



At the extent of delivery there is no oscilloscope provided!

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