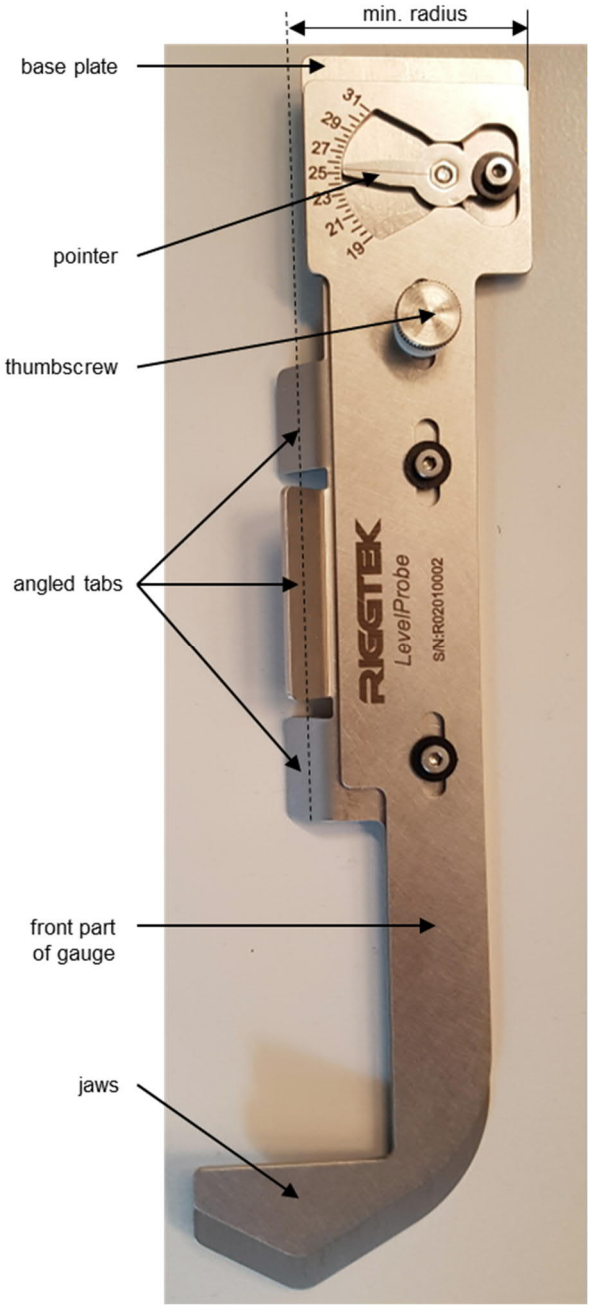
Operation Instructions RIGGTEK LevelProbe (0405.0002)

Paddle or basket height is an important variable that can significantly affect the results of a dissolution test. Incorrect distances between paddle or basket and the bottom of the vessel can change the fluid hydrodynamics and distort dissolution rates.

Specifications:

- weight approx. 160g
- min. height 18,8mm
- max. height 233,5mm
- max. shaft diameter 11mm
- width 42,5mm
- min. radius 46,5mm (Shaft 8mm)
- resolution 0,5mm
- set Point 25,0 mm
- max. Deviation ± 2,0 mm
- dimensions: 233,5x68x19mm



Measuring Paddle/Basket Height:

- Loosen the thumbscrew slightly and move front part of gauge to lowest position
- Place the jaws of gauge against inside bottom of the vessel, under the paddle/basket
- Rotate the gauge into position, then position the three angled tabs against the shaft. This precisely locates the gauge parallel to the shaft center line
- Holding the base plate down, slide the front part of gauge upward, until the jaws touch the bottom of stirring element and the bottom of vessel (don't use excessive force)
- Read the distance indicated by the pointer
- Rotate and tilt the gauge to remove from under the stirring element

Setting Height:

- Loosen thumbscrew slightly
- Slide front of gauge so that the pointer indicates exactly 25,0 mm
- Lock in setting by tightening the thumbscrew
- Raise the shaft with stirring element (paddle/basket)
- Place gauge into position under the paddle/basket, then position the three angled tabs against the shaft
- Lower the shaft gently until jaws of the gauge touch the bottom of vessel and the bottom of stirring element
- Lock shaft into position with collar or other device
- Remove the gauge carefully from the vessel
- Repeat the steps above for each vessel