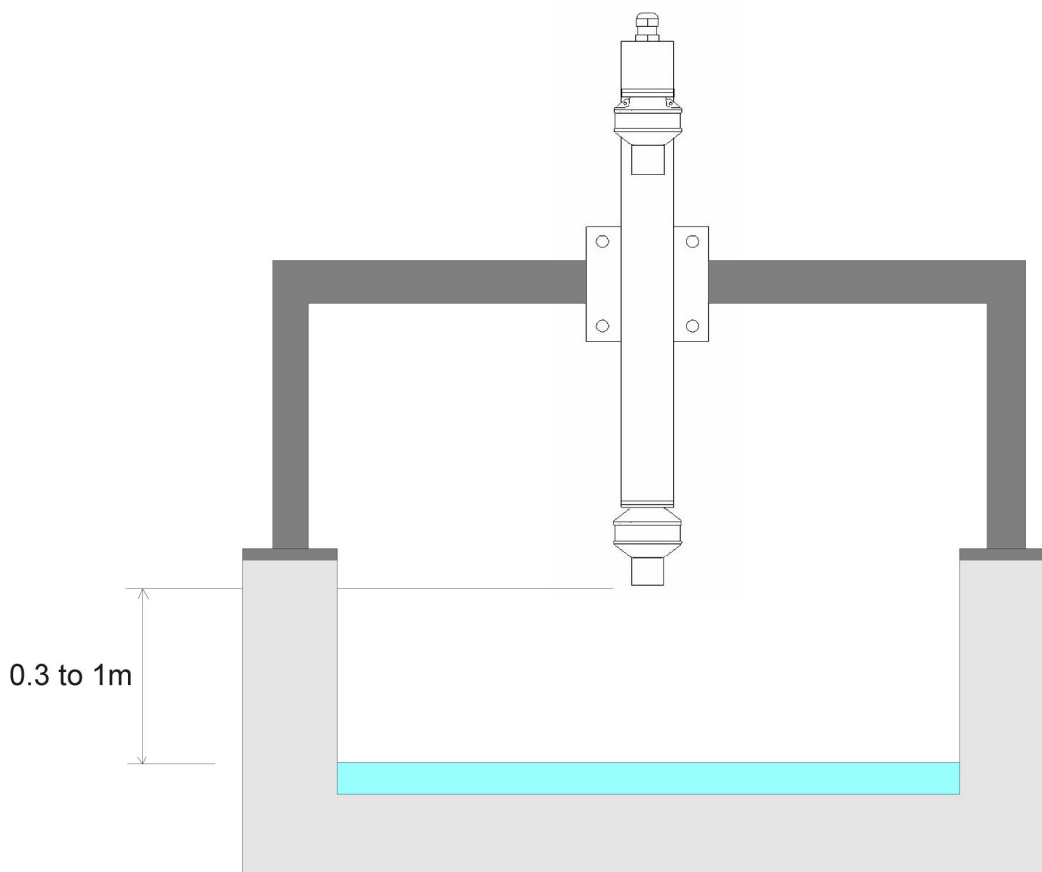


## Installing the DUET

With the launch of DUET, Pulsar Process Measurement has taken ultrasonic level measurement accuracy to a new level. With the advent of DUET, the effect of temperature has been removed. DUET produces synchronous pulses from transducers a known distance apart. The returning echoes from the transducers are measured, and the fixed distance between the two is used to dynamically calibrate the measurement to remove the temperature effect. For the first time, genuine "millimetre accuracy" is available in the real world, in a real application.



- For optimum performance, the DUET should be installed a minimum of 300mm from the side wall as close as is reasonably possible and no closer than 300mm from the liquid surface when the channel is full.
- **It is recommended that the bottom transducer be installed at 300mm above the maximum head.**
- The maximum distance the DUET will be accurate to is 1m from the lower transducers face and the target.
- Ensure the DUET is installed upright and level, perpendicular to the target surface.
- The 'U' bolts can be fixed horizontally or vertically in the fixing plate dependant on the beam it is being attached to.