

Abstract

Flow Measurement

5 The movement of particles carried along with a fluid
is detected by isonifying a region of the fluid with
pulses of ultrasound, and detecting pulses of ultrasound
scattered by an individual particle from successive
transmitted pulses. The difference in arrival times of
10 successive detected pulses is simply related to the speed
of the particle. Use of suitable gates (A,B) enables
successive reflections from a particle to be tracked
while reflections from other particles are rejected.