

3.5-5 An application requires a bipolar ADC to help detect a very short duration event.

- (a) Which type of ADC is likely the most appropriate for the job: counting, flash, half-flash, successive approximation, or other? Explain.

I would say a Flash type ADC would be appropriate. If this is a very short duration event, being able to sample at a very fast rate is important. We wouldn't want to miss the event occurring between samples if we used a slower converter