

Product	Direction	Speed	Position	Counts pedestrians separately	Can be used on-road	Distinguishes between cycles and motor vehicles	Invisible	Advantages	Disadvantages
1 Passive Infrared Pyroelectric Sensor (Eco-Counter)	X	X		X			X		Unreliable if more than one user passes at once
2 Active Infrared Autosense II (SEO)	X	X		X					No longer on market
3 Active Infrared TIRTL (CEOS)	X	X	X		X	X			Classification algorithms do not currently distinguish bicycles from motor vehicles well
4 Radio Beam Bike and People Counter (Chambers Electronics)				X			X		
5 Piezoelectric counter 5710 (MetroCount)	X	X			X	X	X	Output similar to MetroCount 5600 which is familiar technology	
6 Pneumatic tubes 5600 (MetroCount)	X	X			X	X		Familiar technology	Exposed to damage from traffic or vandalism. Varying reports on accuracy
7 Video technology Solo Terra (Autoscope)	X				X			Shows cyclist behaviour and characteristics etc	
8 Inductive Loop Bicycle Recorder (Counters and Accessories)	X	X			X	X	X	Detects cyclists riding side by side. Does not detect prams, trolleys etc	Does not detect carbon fibre cycles
9 Inductive Loop ZELT (Eco-Counter)	X	X			X	X	X	Very accurate	Does not detect carbon fibre cycles