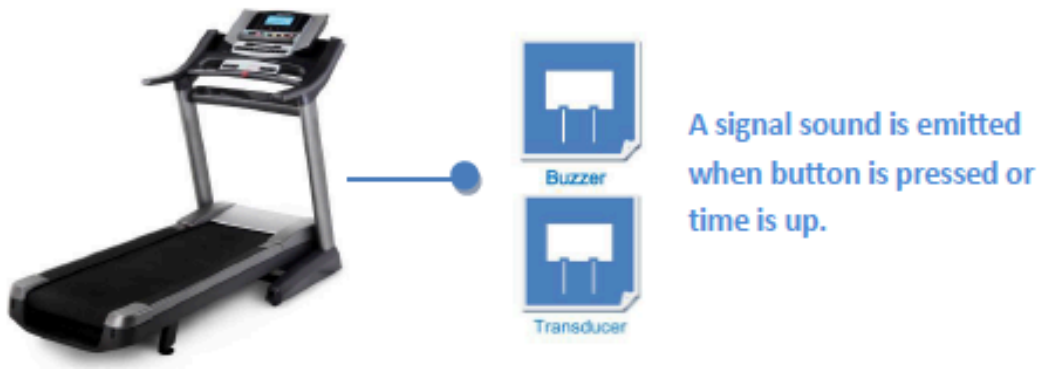


# Applications guides | Treadmill

## for the acoustic components



A treadmill is a device for walking while staying in the same place. Treadmills were introduced before the development of powered machines, to harness the power of animals or humans to do work, often a type of mill that was operated by a person or animal treading steps of a treadwheel to grind grain.

More recently treadmills are not used to harness power, but as exercise machines for running or walking in one place. Rather than the user powering the mill, the machine provides a moving platform with a wide conveyor belt driven by an electric motor or a flywheel. The belt moves to the rear requiring the user to walk or run at a speed matching that of the belt. The rate at which the belt moves is the rate of walking or running. Thus, the speed of running may be controlled and measured. The more expensive, heavy-duty versions are motor-driven (usually by an electric motor). The simpler, lighter and less expensive version passively resist the motion, moving only when walkers push the belt with their feet. The latter are known as manual treadmills.



Suggested Item	UDB	TDB	DB-E328
Size (mm)	∅ 12 x 7.5	∅ 12 x 9.5	∅ 13.8 x 7.5
Sound Pressure Level (dBA)	83	85	80
Product Type	Magnetic	Magnetic	Piezo
Type	Pin	Pin	Pin



Suggested Item	DBX	DB-E1108	DB-E658	DB-E2338
Size (mm)	∅ 12 x 9	∅ 12.6 x 6.3	∅ 14 x 6.7	∅ 13.8 x 6.4
Sound Pressure Level (dBA)	85	80	80	85
Product Type	Magnetic	Piezo	Piezo	Piezo
Type	Pin	Pin	Pin	Pin