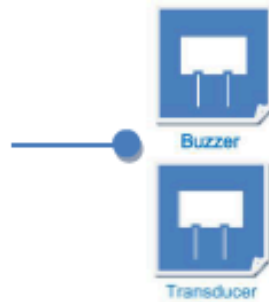


# Applications guides | Weighing Scale for the acoustic components



A signal sound is emitted when button is pressed.

A weighing scale is a measuring instrument for determining the weight or mass of an object. A spring scale measures weight by the distance a spring deflects under its load. A balance compares the torque on the arm due to the sample weight to the torque on the arm due to a standard reference weight using a horizontal lever. Weighing scales are used in many industrial and commercial applications, and products from feathers to loaded tractor-trailers are sold by weight. Specialized medical scales and bathroom scales are used to measure the body weight of human beings.

In electronic versions of spring scales, the deflection of a beam supporting the unknown weight is measured using a strain gauge, which is a length-sensitive electrical resistance. The capacity of such devices is only limited by the resistance of the beam to deflection. The results from several supporting locations may be added electronically, so this technique is suitable for determining the weight of very heavy objects, such as trucks and rail cars, and is used in a modern weighbridge.



Buzzer

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



Transducer

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