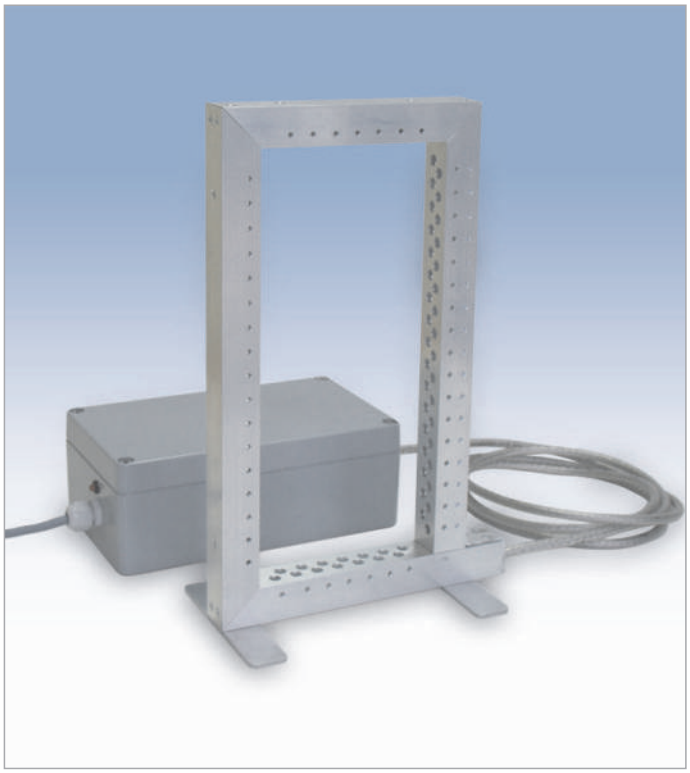
ULTRASONIC AIR IONIZER DJ-01



Antistatic ionizer is a device that removes surpluses of ions, mostly positive ones, but also negative ones from weighed product, balance elements and its surrounding. Deionization is about air molecules electric charge neutralizing, which helps restore quasi-balance of positive and negative ions.

Unbalance of positive and negative ions In air is mostly the reason of undesirable electric influences (attraction or repulsion) on elements that are close to each other. The phenomenon is intensified if materials that do not conduct electricity are used (plastics, glass).

Because balances contain such materials, the problem influences their operating meaningfully. The influence occurs as multiplied repeatability error and often as multiplied indication error.

Most often unfavourable electrostatic interactions phenomenon takes place In surroundings where there is low relative humidity, that is below 40%. Antistatic ionizer DJ-01 is a device that meets all requirements of valid directives.

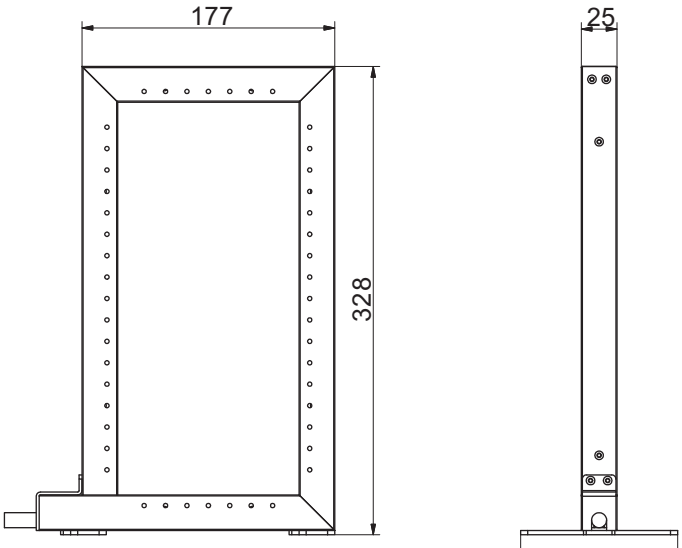
It draws very low power (below 1W), removes surpluses of both positive and negative ions from air, its shape and structure enables easy adapting it to optional analytical balance or microbalance.

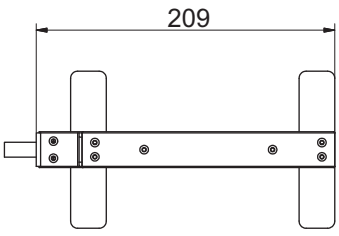
For tens of years scientific researches have been intensively carried out on air ionic composition. On their basis it has been stated that the factor, among temperature and air humidity, should be treated as significant climate parameter.

Main source of energy that ionizes atoms and gas molecules that are present In air, is radiation emitted by radioactive elements which can be found in air and lithosphere. In man surrounding, ions can be created mostly as a result of electrical and heating devices operating.

It is generally accepted that both signs light ions optimal content should be equal to 1000 pieces in 1 cm^3 of air. Such conditions can be found on sea coasts, in forests, where positive and negative ions amounts are similar.

In fact there is slight predominance of positive ions over negative ones In our environment.





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