

KOGANEI

Static Electricity Removing Unit Ionizer

AIR GUN TYPE

DTY-ELG41

NEW

Convertible handle for greater flexibility!

Equipped with LED light as standard



LED ON

Air gun shape



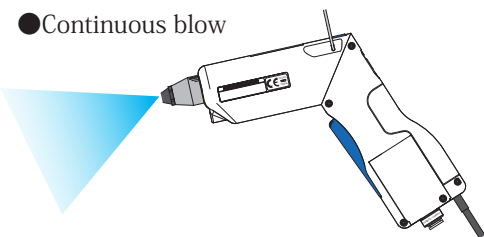
Convertible

Straight shape



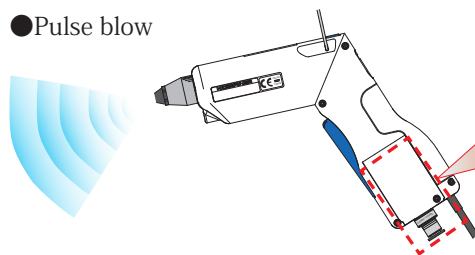
DTY-ELG41

● Continuous blow



DTY-ELG41-PAU

● Pulse blow



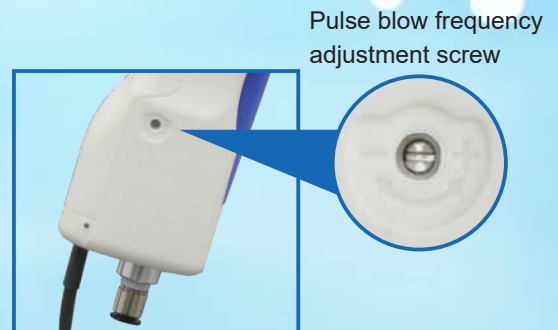
Built-in pulse blow unit

Countermeasure to reduce air consumption!
This contributes to energy saving.

DTY-ELG41

□ Features

- o The shape fits your hand and is lightweight at 140g.
- o Weight reduction 10% (compared to earlier model).
- o The high frequency AC method has a high static elimination effect and good ion balance.
- o Bending resistant cable is used on main unit for high flexibility.
- o Controller is not required as power supply & air valve are mounted on the main body.
- o PAU can improve energy saving & dust removal efficiency by pulse air. Pulse blow frequency can be adjusted from 5 ~ 15Hz. The in-built pulse blow unit is removable.



Equipped with LED light as standard. High brightness of LED light reduces oversight of small foreign objects & foreign substances.



Switch for LED light:
Always OFF, always ON, or
lever-interlocking (SYNC) can
be selected.



Specification

Item \ Format		DTY-ELG41-□
Input voltage	V	DC24 ± 5%
Current consumption	mA	below 100
Output voltage	kV	Approximately 2.5 (high frequency type)
Display	Powering • Discharging	When the power is turned on: Display LED (green) blinks Discharging: Display LED (green) lights up
	Abnormality	Abnormality display LED (red) lights up
LED lighting		White LED
Switch for LED lighting		Always OFF / Always ON / Lever interlocking
External dimensions	mm	Gun shape : 177.3 (L) × 32 (W) × 127.9 (H) Straight shape : 222.2 (L) × 32 (W) × 50 (H) (excluding protrusions))
Mass	g	DTY-ELG41 : 185, DTY-ELG41-PAU : 235 (Excluding cable)
Ion balance ^{Note 1}	V	± 15
Pulse frequency ^{Note 2}	Hz	5 ~ 15
Ozone generation ^{Note 3}	ppm	0.04 below
Medium ^{Note 4}		Air (clean air with moisture and oil removed)
Air pressure range of use	MPa	DTY-ELG41 : 0.05 ~ 0.6 DTY-ELG41-PAU : 0.2 ~ 0.6
Usage environment		Indoor 0-40 °C / 65% or less (no condensation)
Material		Body : PBT, Nozzle : PPS
Accessories		AC adapter, instruction manual

Note 1: Distance 100 mm from the nozzle opening, pressure 0.4 MPa, standard nozzle.

Note 2: Frequency / flow rate characteristics may vary depending on piping conditions and nozzle used.

Note 3: Distance 200 mm from nozzle opening, pressure 0.2 MPa.

Note 4: Make sure air is supplied during operation.

Remark 1: Ion balance is measured according to our measurement conditions.

2: Do not use anything other than the dedicated nozzle. Also, do not modify the nozzle. It may cause the product to malfunction, stop functioning or be damaged.
3: The tube should be φ6 and the length should be 3m or less. It may affect the static elimination performance / pulse blow operation.

4: Do not replace fittings.

Order Code

● Body

DTY-ELG41-□

Blank : No pulse blow unit
PAU : Built-in pulse blow unit

※ Continuous blow with PAU is not possible. Select "Blank" for continuous blow.



Cable length : 2000mm

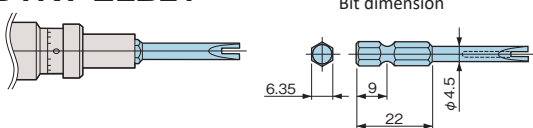


AC adapter (included)
Rating
Input: AC100-240V
50 / 60Hz 0.3A
Output: DC24V 0.5A
Cable length: 1200mm

Dedicated tool for discharge needle replacement

Note: Only the bit is sold.

DTRY-ELB21



● Option (sold separately)

Replacement discharge needle (Unit: set of 5)
DTY-ZEM-G31



Replacement nozzle
DTY-Z□-G31

N1 : Replacement nozzle
N2 : Extension nozzle



Pulse blow unit
DTY-ZPA-G31



※ The options are for DTY-ELG31 / DTY-ELG41.

AC adapter (1200mm)
DTY-ZPS-G31



Input socket
DTY-ZNP-G31



Cover is provided.

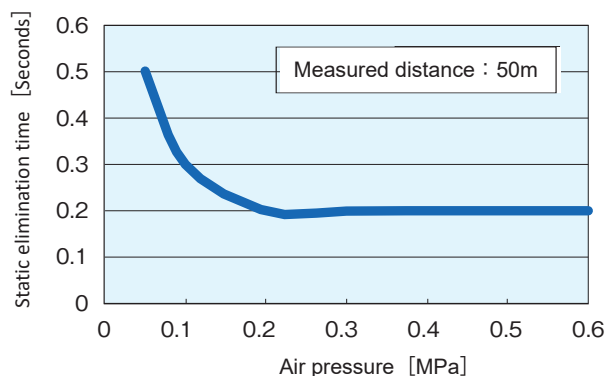
※ for covering the adjustment screw area when the pulse blow unit is removed.

Extension cable
DTY-Z□-G31

CE3 : Extension cable 3m
CE5 : Extension cable 5m
※ Bending resistant cable

■ Static elimination characteristics

DTY-ELG41



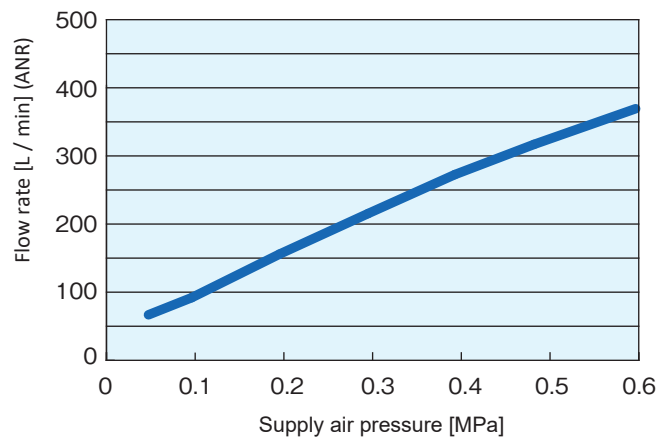
Note 1 : Measured using a □ 150mm & 20pF charged plate monitor.

Note 2 : The static elimination time is the decay time from ± 1000V to ± 100V (using standard nozzle).

Note 3 : The above data is an actual measurement value, not a guaranteed values.

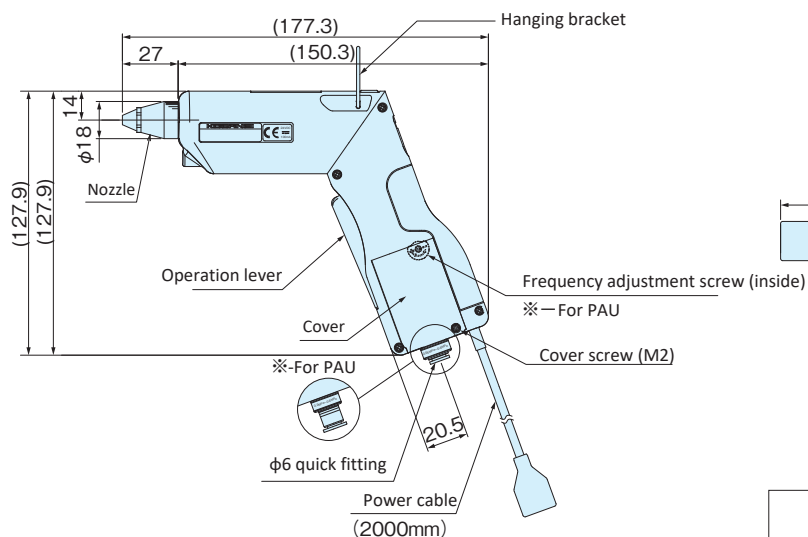
■ Flow rate characteristics

DTY-ELG41

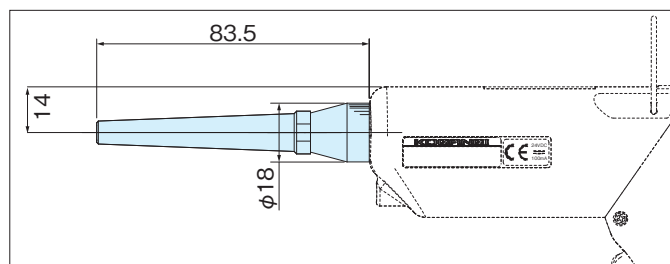
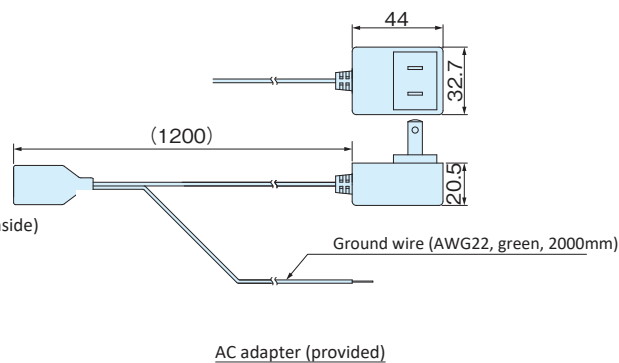


Note 1 : According to Koganei test conditions.

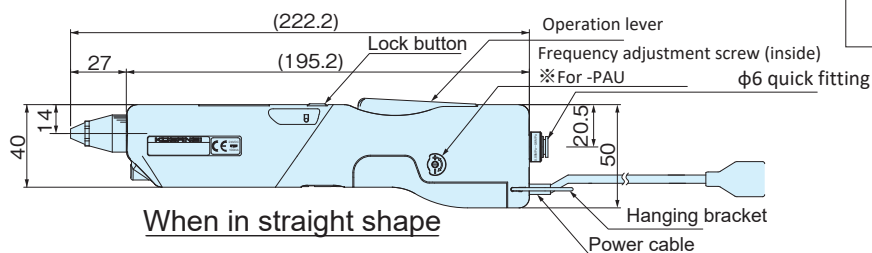
Note 2 : The above data are actual measurement values, not guaranteed values.



When in gun shape



When the extension nozzle is installed



When in straight shape



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