

Gas Divider

SGD-710C

The SGD-710C is a calibration standard gas divider used for environmental analysis. We have a 30-year track record of selling this product, which is the best-selling series of HORIBA STEC.

▶ Proven high accuracy mixing capability of $\pm 0.5\%$ F.S.

Capable of mixing all types of gases.
Generates gases mixed with precision in accordance with many types of purposes.

▶ Capable of delivering gases with up to ten types of concentrations from a single gas cylinder.

Simply switching the gas cock can accurately change the gas concentration.

▶ Small and lightweight; easy to use anywhere

No external power source is required, and it can be used anywhere since no exhaust is generated.

▶ Saves gas, little waste.

The output flow rate and pressure can be altered by the input pressure. Since no exhaust is generated, expensive gases can be fully utilized.

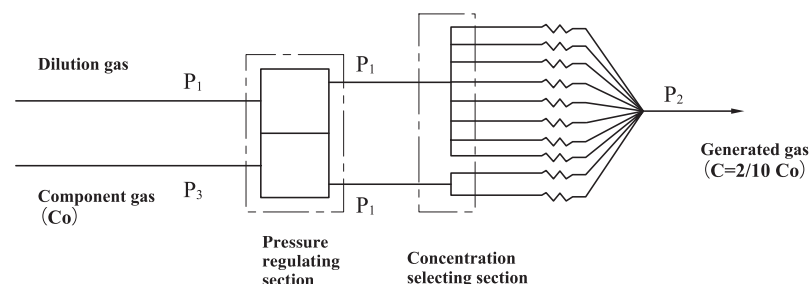
▶ A safe, reliable design

When delivery of the diluted gas stops, delivery of the component gas also automatically stops. Toxic gases also can be used safely.



▶ PRINCIPLE

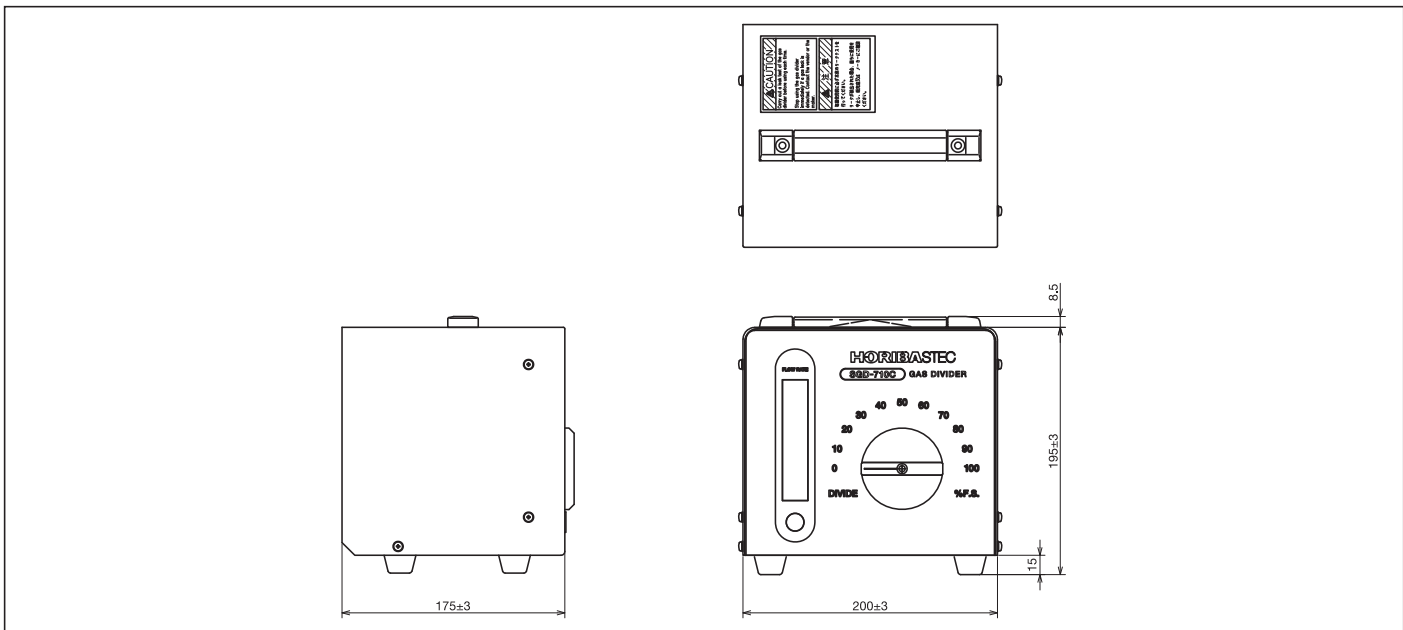
Gas divider SGD-710C is a product applying the capillary tube flow rate ratio mixing method, the flow rates of component gas and dilution gas are controlled by capillaries, and the concentrations of them are determined by the flow rate ratio. SGD-710C incorporates ten capillaries which are same in shape, and changes the concentration by selecting the number of capillaries in which the component gas and dilution gas are flowing.



Specifications

Model	SGD-710C
Type of gas	CO, CO ₂ , C ₃ H ₈ , NO, NO ₂ , SO ₂ , O ₂ /N ₂ (Air) etc.
Wetted materials	SUS-304, PTFE,FKM
Generated flow rate	2~5L/min (at inlet pressure)
Generated pressure	20~70kPa(G) (at inlet pressure)
Concentration division	0,10,20,30,40,50,60,70,80,90,100%F.S.
Dividing accuracy	±0.5%F.S.
Repeatability	±0.2%F.S.
Dividing operation	Manual operation
Response speed	≤10 seconds
Operating temperature	0~40°C
Consumption of component gas	Same as generated flow rate
External dimension	W200×H195×D175 (mm)
Weight	6,5kg
Power supply	Not requested

Dimensions



Please read the operation manual before using this product to assure safe and proper handling of the product.

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