

Gas Detector Tube System

KITAGAWA



KITAGAWA GAS DETECTOR TUBE SYSTEM started with a H₂S tube for quality control in year 1947 and has led a path in a field of gas analysis.

KITAGAWA GAS DETECTOR TUBE SYSTEM COMPRISES OF 「DETECTOR TUBES」 AND 「SAMPLING PUMP」

GAS DETECTOR TUBES

Change colours when chemical reagents filled in a glass tube react with sampled target gas through the tube. The stain created is proportional in length to the concentration of the target gas, so the concentration is read directly off the printed scale on the tube. Kitagawa offers about 250 kinds of tubes to measure about 400 different kinds of tubes and ranges.

AP-20 SERIES



A SHATTERPROOF DETECTOR TUBE

has 2-layer of films to protect from a breakage. Even if broken, the inside reagents do not scatter. (patent No.4100883)

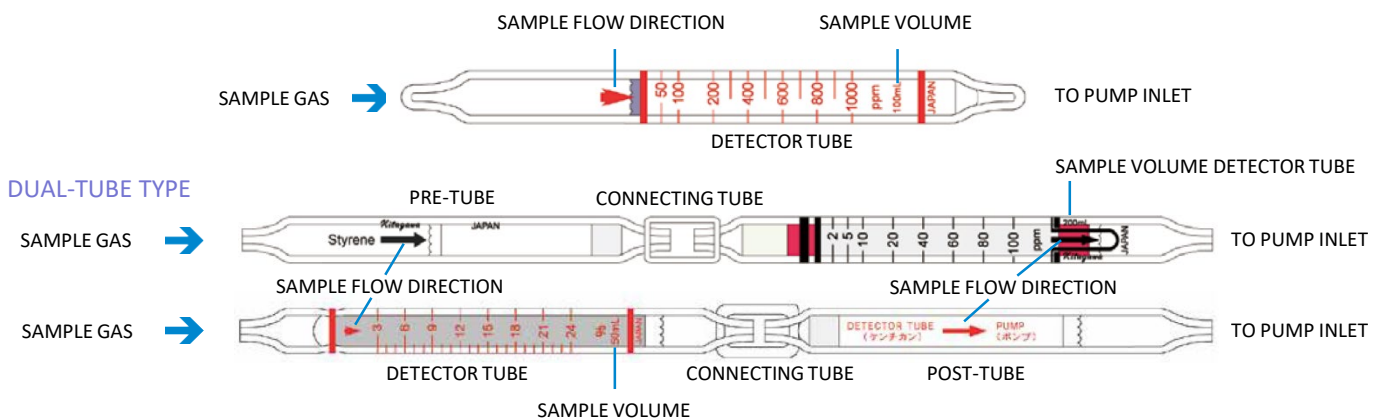
ANTIBACTERIAL NONSKID GRIP

Offers a hand fit easily and is light to pull.

SAMPLE FINISH INDICATOR

is easy to check the sampling completes.

GAS DETECTOR TUBE DESCRIPTION



※The connecting tube is packed in the tube box of a dual-tube type.

SAMPLING PUMP

A portable sampling pump to suction a constant amount of target gas into the detector tubes.

Safe, light and easy to use. No power supply is required. Accurate toxic gas measurement in minutes. A sampling pump with a counter unit is useful where multiple pump strokes are applicable.

LED COUNTER UNIT

N.B.) The counter unit cannot be used in the hazardous locations.



MODEL AP-20CT

TIP CUTTER UNIT

The counter unit is pre-assembled and replaceable with the tip cutter unit provided.

INTEGRAL CERAMIC TUBE TIP CUTTER

cuts the ends of detector tubes easily.



Take out the tip cutter to dispose glass tips.

SPECIFICATION



MODEL:AP-20
INNER VOLUME:100 mL
WEIGHT:APPROX.290 g
LENGTH:APPROX.240 mm

SAMPLING PUMP AP-20 / AP-20CT KIT INCLUDES;

CARRYING CASE



GAS ASPIRATING PUMP



LUBRICANT/GREASE



RUBBER TUBE CONNECTORS



HAND STRAP



AP-20Y

AP-20G

AP-20R

AP-20B



The AP-20 Series Pump is available in four different colours.

APPLICATIONS OF KITAGAWA GAS DETECTOR TUBE SYSTEM



INDUSTRIAL HYGIENE

Measures harmful gases and vapours quickly in the atmosphere to control the concentration in the work place.



INDUSTRIAL WASTE WATER

Measures effluent simply and quickly to identify the source of pollution anywhere.



PROCESS CONTROL

Measures impurities in gases as raw feedstock and intermediates to ensure high product quality and prevent catalyst poisoning to improve production efficiency.



FIRE/EXPLOSION PREVENTION

Measures mixed combustible gases speedily and safely on-site without ignition source to prevent fire and explosion by leaked or generated gas.



ON BOARD

Measures toxic gas before entering cargo rooms or checks residual gas after cleaning chemical tanks in conformity with the IMO rule.



AIR POLLUTION CONTROL

Measures toxic gases such as SO₂ and NO₂ in flue gas rapidly on-site to identify and control the source of pollutant in the air.



COMBUSTION EFFICIENCY

Measures CO, CO₂ and O₂ in exhaust gas to check combustion efficiency of combustion appliances.



EDUCATION

Measures classroom environment or as an experimental tool for learning combustion and photosynthesis in a science class.



PREVENT ACUTE POISONING

Measures leaked, blowout, generated or residual toxic gases rapidly to prevent poisoning.



DRINK DRIVING CONTROL

Measures alcohol in the breath and contributes to preventing alcohol related accidents.

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