

UPGRADE OF THE GMT/GMM220 SERIES

GMT221 VS. GMP251 & INDIGO201



VAISALA

GMT221

1st generation
CARBOCAP®

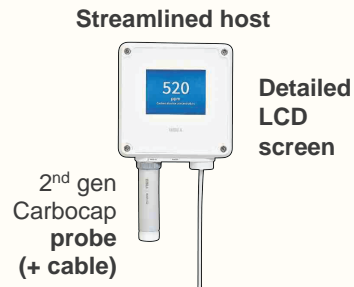
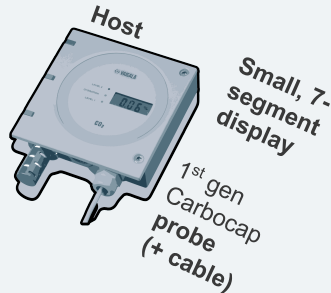
GMP251 & Indigo201

2nd generation
CARBOCAP®

BENEFIT

of using
GMP251 & Indigo201
instead of **GMT221**

Product design



Better display
brings multiple benefits, e.g. stabilization graph

Improved appearance

Configuration

```
MF_RL_HIGH 5554000
where:
s = 1 or 2 (number of the relay)
YYY = trigger point (CO2, measured in ppm)
Example of setting the higher trigger level of the relay 1:
MF_RL_HIGH 5554000
MF_RL_LOW 5554000
Save the settings:
MENU, SAVE, 0, YES
Give the lower trigger limit:
MF_RL_LOW 5554000
```

Serial communication, text-based interface

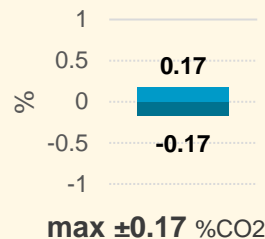
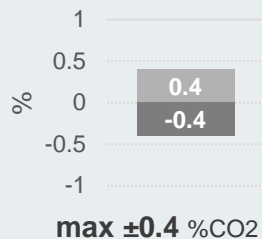


Easy-to-use
Wireless
Configuration interface

Easier to use and remote access

Accuracy at 5%CO2

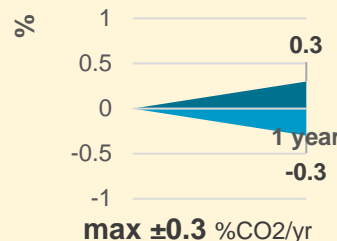
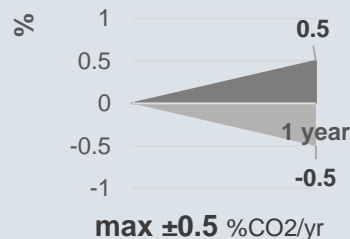
Includes repeatability, non-linearity and calibration uncertainty



Even more **accurate** measurement

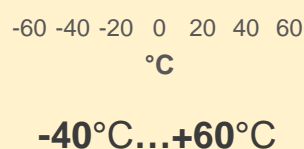
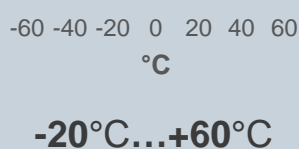
Long Term Stability at 5%CO2

For a probe with 0...20%CO2 measurement range



Less maintenance cost

Temperature Range



Wider operation range

GMT221

1st generation
CARBOCAP®

GMP251 & Indigo201

2nd generation
CARBOCAP®

BENEFIT

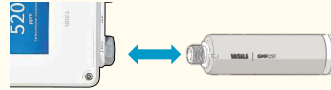
of using
GMP251 & Indigo201
instead of **GMT221**

Probe and compatibility



Interchangeable probe,
requires opening of the
housing

GMT220 host can only be
used **with GMP220 series
probes**



**Smart, easy to detach,
interchangeable probe**

Indigo hosts can be used
with **any other Indigo smart
probe** (and vice-versa)

All-in-one
compact probe

easier
to install and
detach

Increased
compatibility
with other Vaisala's
products

Temperature dependence at 5%CO₂

-0.015

%CO₂ /°C
(typical)

Negligible

(built-in temperature
sensor for internal
compensation)

Even more

reliable
measurement

Condensation prevention



Light source's heat



Automatic
(internal sensor head heating)

NO
waste
heat

RH and O₂ compensations

None

YES

Increased
accuracy
in varying
conditions