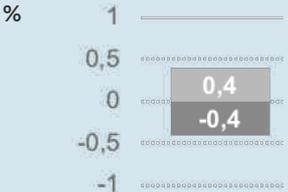
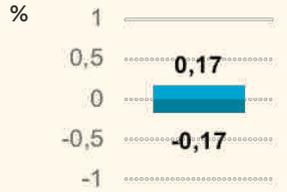
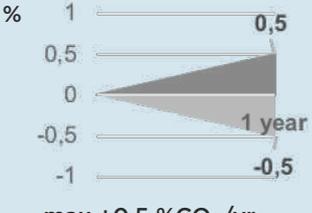
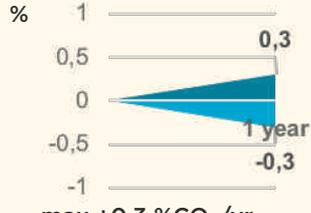
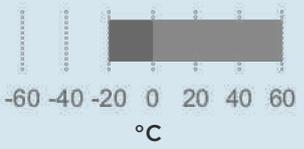
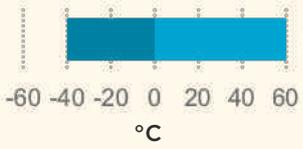


Comparison of CARBOCAP® Carbon Dioxide Probe GMP251 with Indigo 201 and CARBOCAP® Carbon Dioxide Transmitter GMT221

FEATURES	GMT221 1st generation CARBOCAP®	GMP251 & with Indigo 201 2nd generation CARBOCAP®	BENEFIT of using GMP251 & Indigo 201 instead of GMT221
Product design	<p>Host</p>  <p>Small, 7-segment display</p> <p>1st gen CARBOCAP® probe (+ cable)</p>	<p>Streamlined host</p>  <p>Detailed LCD screen</p> <p>2nd gen CARBOCAP® probe (+ cable)</p>	<p>Better display brings multiple benefits, e.g. stabilization graph</p> <p>Improved appearance</p>
Configuration	 <p>Serial communication, text-based interface</p>	 <p>Easy-to-use Wireless Configuration interface</p>	<p>Easier to use and remote access</p>
Accuracy at 5 %CO₂ Includes repeatability, non-linearity and calibration uncertainty	 <p>max ±0.4 %CO₂</p>	 <p>max ±0.17 %CO₂</p>	<p>Even more accurate measurement</p>
Long term stability at 5 %CO₂ For a probe with 0 ... 20 % CO ₂ measurement range	 <p>max ±0.5 %CO₂/yr</p>	 <p>max ±0.3 %CO₂/yr</p>	<p>Less maintenance cost</p>
Temperature range	 <p>-20 °C ... +60 °C</p>	 <p>-40 °C ... +60 °C</p>	<p>Wider operation range</p>

FEATURES	GMT221 1st generation CARBOCAP®	GMP251 & with Indigo 201 2nd generation CARBOCAP®	BENEFIT of using GMP251 & Indigo 201 instead of GMT221
Probe and compatibility	 <p>Interchangeable probe, requires opening of the housing</p> <p>GMT220 host can only be used with GMP220 series probes</p>	 <p>Smart, easy to detach, interchangeable probe</p> <p>Indigo hosts can be used with any other Indigo smart probe (and vice-versa)</p>	<p>All-in-one compact probe easier to install and detach</p> <p>Increased compatibility with other Vaisala's products</p>
Temperature dependence at 5 %CO ₂	<p>-0.015 %</p> <p>% CO₂ / °C (typical)</p>	<p>Negligible (built-in temperature sensor for internal compensation)</p>	<p>Even more reliable measurement</p>
Condensation prevention	 <p>Light source's heat</p>	 <p>Automatic (internal sensor head heating)</p>	<p>No waste heat</p>
RH and O ₂ compensations	<p>None</p>	<p>YES</p>	<p>Increased accuracy in varying conditions</p>

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