




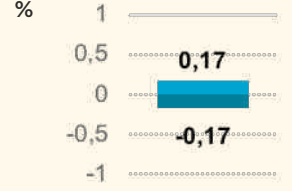
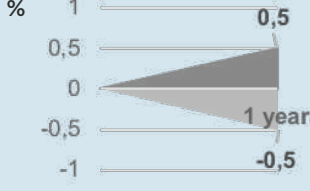
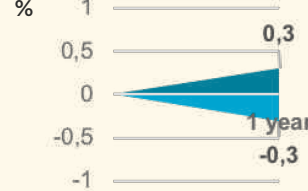
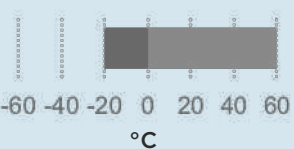
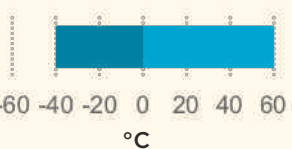


## Comparison of CARBOCAP® Carbon Dioxide Probe GMP251 with Indigo 201 and CARBOCAP® Carbon Dioxide Transmitter GMT221

FEATURES	GMT221 1st generation CARBOCAP®	GMT251 & with Indigo201 2nd generation CARBOCAP®	BENEFIT of using GMP251 & Indigo201 instead of GMT221
<b>Product design</b>	<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><b>Better display</b> brings multiple benefits, e.g. stabilization graph</p> <p><b>Improved appearance</b></p>
<b>Configuration</b>	 <p>Serial communication, text-based interface</p>	 <p>Easy-to-use <b>Wireless</b> Configuration interface</p>	<p><b>Easier to use and remote access</b></p>
<b>Accuracy at 5 %CO<sub>2</sub></b> Includes repeatability, non-linearity and calibration uncertainty	 <p>max ±0.4 %CO<sub>2</sub></p>	 <p>max ±0.17 %CO<sub>2</sub></p>	<p>Even more <b>accurate</b> measurement</p>
<b>Long term stability at 5 %CO<sub>2</sub></b> For a probe with 0 ... 20 % CO <sub>2</sub> measurement range	 <p>max ±0.5 %CO<sub>2</sub>/yr</p>	 <p>max ±0.3 %CO<sub>2</sub>/yr</p>	<p><b>Less maintenance cost</b></p>
<b>Temperature range</b>	 <p>-20 °C ... +60 °C</p>	 <p>-40 °C ... +60 °C</p>	<p><b>Wider operation range</b></p>

FEATURES	GMT221 1st generation CARBOCAP®	GMT251 & with Indigo201 2nd generation CARBOCAP®	BENEFIT of using GMP251 & Indigo201 instead of GMT221
<b>Probe and compatibility</b>	 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 <b>easier to install</b> and <b>detach</b> <b>Increased compatibility</b> with other Vaisala's products
<b>Temperature dependence at 5 %CO<sub>2</sub></b>	<b>-0.015 %</b> % CO <sub>2</sub> / °C (typical)	<b>Negligible</b> (built-in temperature sensor for internal compensation)	Even more <b>reliable measurement</b>
<b>Condensation prevention</b>	 Light source's heat	 <b>Automatic</b> (internal sensor head heating)	<b>No waste heat</b>
<b>RH and O<sub>2</sub> compensations</b>	<b>None</b>	<b>YES</b>	<b>Increased accuracy</b> in varying conditions

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