

CALIBRATION GASES



- For optimal conservation in a controlled atmosphere room, it is critical that gas concentrations in storage rooms be precise. You can periodically do a self-check of your gas analyzer using these highly precise calibration gas cylinders. Since they are disposable, you pay no monthly rental fee.

PDT/GAZ1	PRODUCETECH-5E Calibration gas cylinder with 2% oxygen, 2% CO ₂ , 10ppm ethylene
PDT/GAZ2	PRODUCETECH-5E Calibration gas cylinder with 0% oxygen, 5% CO ₂
PDT/REGUL1	PRODUCETECH-Pressure regulator, 0-3000 psi for 5E cylinder

Note: Cylinders contain 19.5 cubic feet (552 litres) at 70 °F (21 °C) and 2200 psi.

TEMPERATURE MEASURING COMPONENTS



- A rapid drop in the temperature of fruits and vegetables from the field to storage is essential to maximize conservation. In addition, the storage temperature must be consistent; therefore, you need to be able to obtain precise measurements and have excellent temperature accuracy!

We offer a wide range of high-quality temperature sensors and controllers (manufactured in Italy). We also recommend PT-100 sensors with integrated transmitters (4-20 mA output) with M12 moisture-resistant connectors, allowing you to replace just the sensor (and not the whole assembly including the wiring) in case of problems or to disconnect it for calibration.

ProduceTech also offers wireless solutions with temperature sensors at 4 depth points to measure the internal temperature of fruits and vegetables.



HUMIDITY MEASURING COMPONENTS



- Fruits and vegetables are usually sold according to weight; to maximize profitability, it is important to optimize their water content and avoid dehydration due to excessive ventilation in refrigeration or by removing too much water when defrosting evaporators.

The market abounds with inexpensive humidity meters that are generally accurate when reading between 0-85% RH, but which lose their precision beyond that point. For most fruits and vegetables, the ideal humidity level in a storage room is 95-98%. To achieve this, high-precision transmitters are essential so you know you can trust the data.

ProduceTech offers several top-quality humidity meters:

VAA/HMT120-SA10	VAISALA-Moisture probe and transmitter without display, 3 m - 10 ft wire
VAA/HMT120-SA33	VAISALA-Moisture probe and transmitter without display, 10 m - 33 ft wire
VAA/HMT120-AA10	VAISALA-Moisture probe and transmitter with display, 3 m - 10 ft wire
VAA/HMT120-AA33	VAISALA-Moisture probe and transmitter with display, 10 m - 33 ft wire

Note: These transmitters [-20 °C to +80 °C (-4 °F to +176 °F)] are equipped with 4-20 mA outputs which can be connected to controllers.

VAISALA