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## GMP252 Carbon Dioxide Probe with DTR250A Radiation Shield for Outdoor Measurements



### GMP252 Features and benefits:

- IP65 classified housing
- Compensations for background gases, O<sub>2</sub>, and humidity
- Measurement range 0 ... 10 000 ppmCO<sub>2</sub>
- Suitable for outdoor or harsh environments when combined with DTR250A radiation shield
- Excellent accuracy and stability
- Wide operating temperature and humidity ranges

### DTR250A Features and benefits:

- Protects the probe from solar radiation and precipitation in outdoor installations
- includes the DTR250 radiation shield and a pole mounting kit

### Summary:

Carbon dioxide outdoor probe shall incorporate a second generation CARBOCAP® NDIR sensor. Accuracy (including repeatability and non-linearity) at 25°C (77°F) and 1013 hPa between 0-3000 ppm shall be ±40 ppm. Measurement range of 0-1000 ppm, 0-2000, 0-3000, 0-5000 ppm or 0-10000ppm. Operating humidity range is 0 to 100% RH, non-condensing and temperature range is -40 to 60°C (-40 to 140°F). Long term stability shall be <±60ppm/yr between 0...3000ppm. Analog outputs shall be 0...5V, 0...10V, 0...20mA or 4...20 mA; serial outputs shall be RS-485. Operating voltage shall be 12...30 VDC with digital or voltage output in use, and 20...30VDC with current output in use. Power consumption is typically 0.4W and no greater than 0.5W

[Vaisala Model GMP252 Order Form](#)  
[DTR250A Radiation Shield](#)