

CORROSION PREVENTION DEVICE AND CORROSION PREVENTION METHOD

ABSTRACT

5 A corrosion prevention device includes: a first light source unit provided with a light emitting diode that emits irradiation light in an absorption wavelength band that includes an absorption spectrum of a first measurement target produced by combustion of a combustion object; a second light source unit
10 provided with a light emitting diode that emits irradiation light in an absorption wavelength band that includes an absorption spectrum which is an absorption spectrum of a second measurement target produced by combustion of the combustion object and is different from the absorption spectrum of the first measurement
15 target; a first light receiving unit that receives the irradiation light emitted from the first light source unit; a second light receiving unit that receives the irradiation light emitted from the second light source unit; and a calculation unit that calculates absorbance and/or transmittance of the
20 first measurement target in a combustion gas generated by combustion of the combustion object, based on transmitted light intensity I_1 of the irradiation light received by the first light receiving unit and transmitted light intensity I_2 of the irradiation light received by the second light receiving unit.

25 Fig. 1