

A non expensive tool to diagnose pigments used in wall painting.



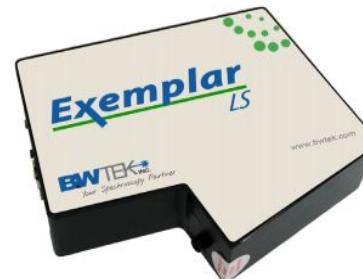
The needed components to have a working system: (F.O.R.S)



Spectrometer

Exemplar® LS

Low Straylight Smart CCD Spectrometer

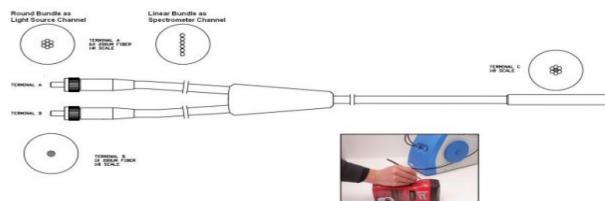


The Exemplar LS is designed by utilizing a low-straylight CCD detector and advanced data processing software.

The Exemplar LS can measure wavelengths from 350nm to 700nm.

Electrometer Accessory

FRP Series Fiber Reflectance Probes



A fiber reflectance probe, such as the FRP series combines optical fibers at the sample end with the bundle bifurcated into two channels for connection to a light source and a spectrometer.

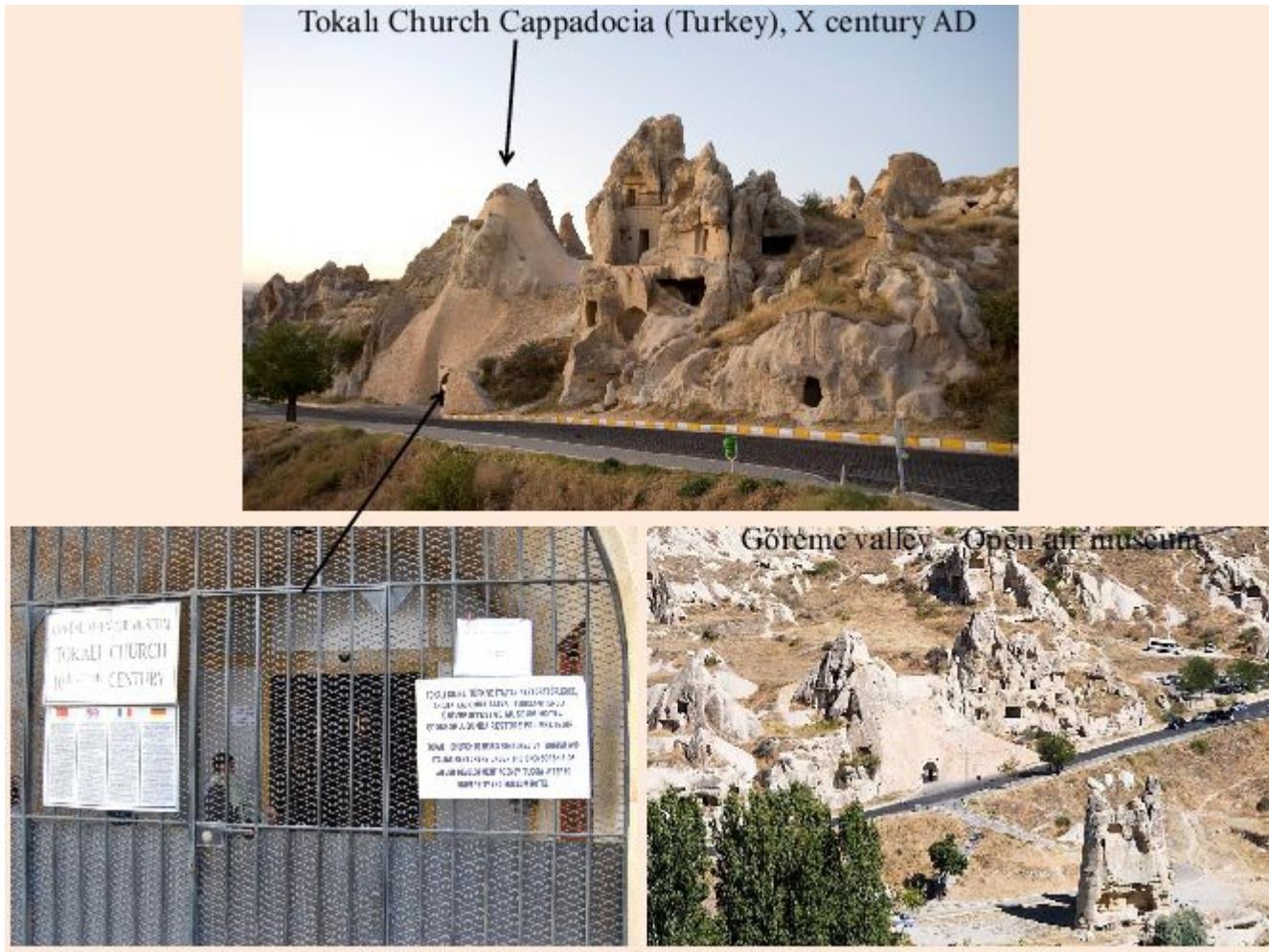
A fiber optic reflectance probe can measure either diffuse or specular reflectance from surfaces. When positioned at an angle to the surface normal, it measures diffuse



Where it was used:

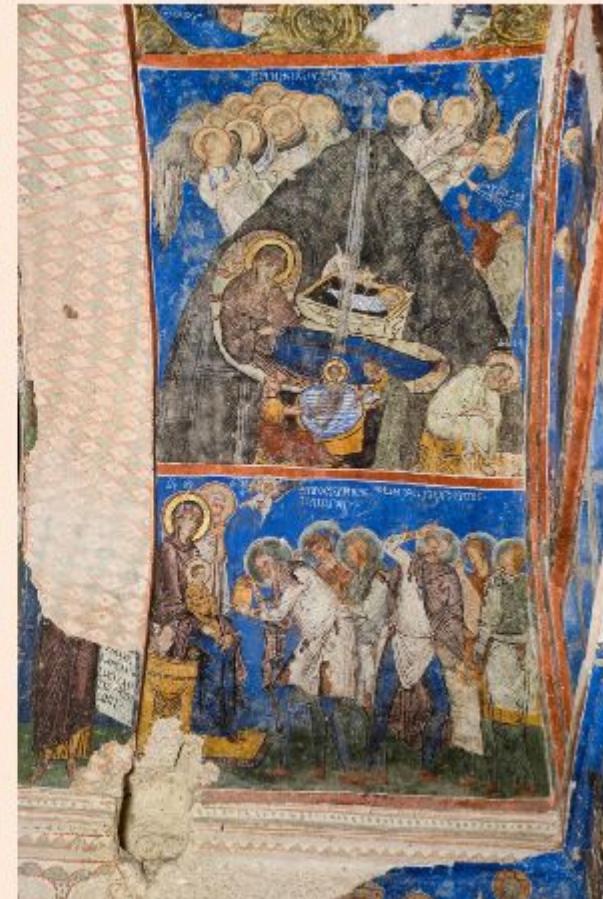


The location:



The location:

Tokalı Church Cappadocia (Turkey), X century AD. The wall paintings



The measurements:

Tokali Church Cappadocia (Turkey), X century AD. Measurements with Quest™ CCD Array micro-spectrometer

BWTEK Inc.

