

## QualitySpec® 7000

The QualitySpec® 7000 process spectrometer is ideal for measurement of process materials transported on conveyance systems. The system is designed for continuous measurement of solids, powders and blended materials, providing multiple measurements from a single point.

The system easily integrates into your process, delivering full-range, instantaneous measurements. All data is communicated via high-speed Ethernet and is easily accessible over an OPC server, simplifying data integration.



<b>Performance</b>	<ul style="list-style-type: none"> <li>• Wavelength Range 350-2500 nm</li> <li>• Wavelength Accuracy 1 nm</li> <li>• Sampling Spot Size 76-100 mm (3-4 in)</li> </ul>
<b>Output</b>	<ul style="list-style-type: none"> <li>• Fast Ethernet; 100 Base-T or 100 Base-FX (fiber optic for distance exceeding 100 meters)</li> <li>• OPC Server connection to constituents in Microsoft Access database</li> <li>• Measure and record two values for up to 20 constituents</li> <li>• Qualitative or quantitative data for each constituent</li> <li>• Model Quality Index (MQI), a model quality indicator for each result</li> </ul>
<b>Mechanical/Electrical</b>	<ul style="list-style-type: none"> <li>• Light Source 100 watt quartz-halogen</li> <li>• Optical Head 74 cm (29 in), from bottom of Mounting Distance optical head box to average material level on conveyor</li> <li>• Power 230 VAC <math>\pm</math> 10%, 12 amps, 50/60 Hz</li> <li>• Weight (Exclusive of Mounting Structures)</li> </ul>
<b>Optical Head 22.6 kg (50 lbs) Electronics Cabinet 159 kg (350 lbs)</b>	<ul style="list-style-type: none"> <li>• Dimensions (H x W x D)</li> </ul>
<b>Optical Head 43 x 41 x 46 cm (17</b>	<ul style="list-style-type: none"> <li>• Temperature Rating -20 to 50° C (-4 to 122° F)</li> </ul>

### Mapping Solutions Ltd.

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<b>x 16 x 18 in)</b> <b>Electronics Cabinet 100 x 122 x</b> <b>48 cm (39 x 48 x 19 in)</b> <b>Environmental Considerations</b>	ambient <ul style="list-style-type: none"><li>• Humidity 5 to 95% non-condensing</li></ul>
<b>Approvals</b>	<ul style="list-style-type: none"><li>• CE Marked</li></ul>

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