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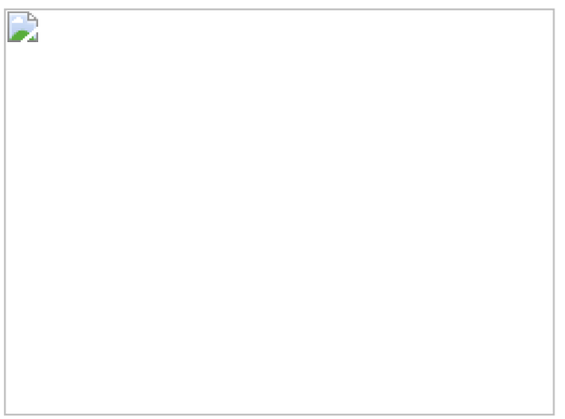
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Find the *Avantes AvaSpec-2048TEC* at our website: *Click HERE*

AvaSpec-2048TEC Thermo-electric Cooled Fiber Optic Spectrometer



AvaSpec-2048TEC

Technical Data | Ordering Information

The AvaSpec-2048TEC is a special version of the AvaSpec-2048, where the Sony 2048 CCD detector is mounted on a one-stage Peltier cooling device. This Peltier cooling element can reduce the temperature of the CCD chip by ca. 30 °C, improving the dynamic range by at least a factor of 10. As an additional benefit from the cooling the dark noise is reduced by a factor of 2-3. The above features enable the AvaSpec-2048TEC to be implemented in low light-level applications, such as fluorescence and Raman measurements, where integration times of more than 5 seconds are needed. The AvaSpec-2048TEC can be delivered as one or 2-channel instrument and has all the standard options, gratings and specifications the normal AvaSpec-2048 has.

The AvaSpec-2048TEC is built into a desktop housing, has a cooling fan to actively ventilate the heatsink of the Peltier cooling element and an internal power supply.

Artisan Technology Group is an independent supplier of quality pre-owned equipment

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