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TECHNOLOGY GROUP

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The Wayback Machine - https://web.archive.org/web/20131201045649/http://www.instrumentsystems.com:80/products/spectrometers/cas-140cts/

CAS 140CTS - The ideal spectrometer for fast and highly accurate measurements

The CAS 140CTS is the most recent member of the Instrument Systems Array Spectrometer family. The detector concept based on a back-thinned CCD area sensor of the proven CAS 140CT was completely redesigned. The new detector unit allows the minimum integration time to be improved from 10 ms to 4 ms. At the same time, the read-out time was reduced to ~ 6 ms so that the CAS 140CTS features particularly short measurement times.



Apart from its speed, the CAS 140CTS has a very high level of accuracy and a robust construction. This allows the system to deliver reliable measurement results even in adverse environments. In combination with the Instrument Systems LED Tester, the CAS 140CTS is therefore the optimum measuring instrument for LED production testing.
In addition, the CAS 140CTS is an ideal solution for all laboratory applications requiring fast and highly accurate measurements even for critical parameters like color coordinates and color temperature.

Features

- Several model variants from 200 to 1050 nm
- New detector concept based on a high-end, back-illuminated CCD sensor
- 4 ms minimum integration time
- Very short read-out times
- Doubling of dynamic range compared to CAS 140CT
- Robust PCI interface

Applications

- LED production testing
- All laboratory applications that require exceptional speed and high accuracy

Ordering information

Model	Spectral range [nm]	Number of Pixels	Spectral resolution [nm]	Data point interval [nm]
CAS140CT-241	360 - 830	1024 x 128	2.2	0.5
CAS140CT-242	200 - 800	1024 x 128	2.7	0.6
CAS140CT-243	380 - 1040	1024 x 128	3.0	0.65
CAS140CT-244	220 - 1020	1024 x 128	3.7	0.8
CAS140CT-245	750 - 1050	1024 x 128	2.0	0.3
CAS140CT-246	300 - 1100	1024 x 128	3.7	0.8

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

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

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Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

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