

Trade in offer for your spectroradiometer

Trade your MR200 series for a new MR300 series



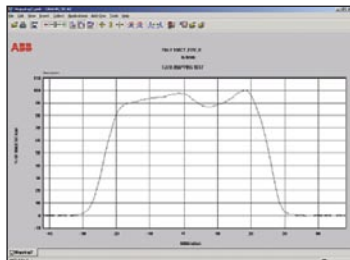
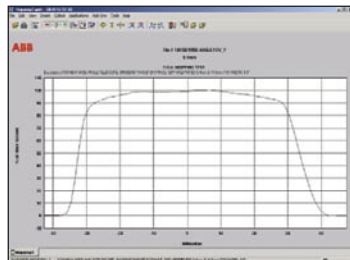
In response to your needs, ABB has developed a new spectroradiometer that fills several improvement requests coming from our MR200 series customers. The new MR300 series offers better spectrometric performances and a more compact and powerful electronics module. It also features our new FTSW500 radiometric software.



Face to face comparison

MR200

MR300

| | | |
|---|--|---|
| Spectrometer dimension (not including accessories and input collimator) | (L x W x H) 712,2 mm X 508 mm X 431,8 mm | (L x W x H) 586,7mm X 273,1 mm X 372,4 mm Volume reduced by 35% |
| Spectrometer weight: (not including accessories and input collimator) | 46 kg | 38.8 kg Weight reduced by near 20% |
| FOV homogeneity (field stop = 6.4mm) | ± 10% on 70% | ± 7.5% on 85% of FOV |
| FOV width in % of theoretical FOV | Typically 70% | 80% |
| Typical examples of FOV mapping results |  |  |
| NESR (RMS) (16 cm ⁻¹ resolution (16 cm ⁻¹ resolution) | MCT InSb 5 E-9 W/cm ² SR cm ⁻¹ 5 E-10 W/cm ² SR cm ⁻¹ | 2.5 E-9 W/cm ² SR cm ⁻¹ 2.5 E-10 W/cm ² SR cm ⁻¹ |
| Field stop selection | Manual | Computer controlled |
| Detector cooling | LN2 | Stirling Cryocooler |

Face to face comparison**MR200****MR300**

| | | |
|--|---|--|
| Maximum acquisition time (kinetic mode) 1 cm ⁻¹ resolution | 47 seconds | More than 30 minutes or 5 Gb |
| Data transfer time to hard disk | ± 4.5 sec per Mb | Saved on hard disk in real time |
| Communication link to PC | Via fiber optic cable to a proprietary acquisition card | Standard 100 Mbps Ethernet communication with Cat 5 shielded cable |
| Acquisition software | Research Acquire 16 bits DOS compatible to Win95 and Win98 | FTSW500 Radiometric Soft 32 bits Win2000 and WinXP compatible |
| Export functions | ASCII XY | Research Acquire and GRAMS file format |
| Data interface | None | Matlab data access library for further data processing |

Your MR200 accessories (tripod, telescopes, video camera and subtraction cold source) are compatible with the MR300.

We also offer a trade in option for a MR300 equipped with LN2 detectors instead of the stirling cooled detector.

The effectiveness and functionalities are the same as the MR304 with stirling cooled detector, but the filed stop selection is manual.

Contact us for more information on these options.



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