

SG1800

Технические характеристики

По вопросам продаж и поддержки обращайтесь:

| | | | |
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| Алматы (7273)495-231 | Казань (843)206-01-48 | Новокузнецк (3843)20-46-81 | Смоленск (4812)29-41-54 |
| Архангельск (8182)63-90-72 | Калининград (4012)72-03-81 | Новосибирск (383)227-86-73 | Сочи (862)225-72-31 |
| Астрахань (8512)99-46-04 | Калуга (4842)92-23-67 | Омск (3812)21-46-40 | Ставрополь (8652)20-65-13 |
| Барнаул (3852)73-04-60 | Кемерово (3842)65-04-62 | Орел (4862)44-53-42 | Сургут (3462)77-98-35 |
| Белгород (4722)40-23-64 | Киров (8332)68-02-04 | Оренбург (3532)37-68-04 | Тверь (4822)63-31-35 |
| Брянск (4832)59-03-52 | Краснодар (861)203-40-90 | Пенза (8412)22-31-16 | Томск (3822)98-41-53 |
| Владивосток (423)249-28-31 | Красноярск (391)204-63-61 | Пермь (342)205-81-47 | Тула (4872)74-02-29 |
| Волгоград (844)278-03-48 | Курск (4712)77-13-04 | Ростов-на-Дону (863)308-18-15 | Тюмень (3452)66-21-18 |
| Вологда (8172)26-41-59 | Липецк (4742)52-20-81 | Рязань (4912)46-61-64 | Ульяновск (8422)24-23-59 |
| Воронеж (473)204-51-73 | Магнитогорск (3519)55-03-13 | Самара (846)206-03-16 | Уфа (347)229-48-12 |
| Екатеринбург (343)384-55-89 | Москва (495)268-04-70 | Санкт-Петербург (812)309-46-40 | Хабаровск (4212)92-98-04 |
| Иваново (4932)77-34-06 | Мурманск (8152)59-64-93 | Саратов (845)249-38-78 | Челябинск (351)202-03-61 |
| Ижевск (3412)26-03-58 | Набережные Челны (8552)20-53-41 | Севастополь (8692)22-31-93 | Череповец (8202)49-02-64 |
| Иркутск (395)279-98-46 | Нижний Новгород (831)429-08-12 | Симферополь (3652)67-13-56 | Ярославль (4852)69-52-93 |
| Россия (495)268-04-70 | Киргизия (996)312-96-26-47 | Казахстан (7172)727-132 | |

Spectrometer Goniometer SG1800



**For the precise determination of optical data
of prisms**

Krüss offers the model SG1800 Spectrometer-
Goniometer, for the exact measurement of optical data

on prisms. Reflection angle and deflection angle are measurable. From the measured values, for example, the inner angle of a prism or the refractive index of the material used can be determined. It can also be used as a spectroscope, for qualitative examination and measurement of emission and absorption spectra. The observation tube has combined coarse and fine drives, infinitely variable, cross-hairs, eyepiece vernier accuracy. The collimator and the telescope have a focal length of 178mm and a free aperture of 32mm. The Prism offers Flint glass (60deg) with a dispersion angle $C-F=2\text{deg}$. The collimator is a symmetric precision slit of hardened steel. Accessories include prism, Rowland grating and holder, scale illumination, lamp, ocular and spectra sheet. Infinitely adjustable

- With crosshair eyepiece and vernier reading accuracy of 1 angular minute
- Flint glass prism
- High-quality collimator made of hardened steel with symmetrical precision gap
- Extensive accessories

Typical applications

- For angle measurement on optical components
- Determination of reflection angle and deflection angle
- Determination of the inside angle of a prism
- Determination of the refractive index of the material used

Model specifications

| | SG1800 |
|---|--|
| Observation tube | infinitely variable |
| Ocular | crosshairs |
| Scale reading precision | 1 angle min. |
| Objective | field number 18, 160 mm focal distance |
| Prism | Flint glass (60°) |
| Dispersion angle | $C - F = 2^\circ$ |
| Slit tube | Symmetric precision slit of hardened steel |
| Height of the optical axis above the specimen table | 0 - 20 mm |
| Suitable height of the specimen | 5 - 50 mm |
| Focal length collimator | 178 mm |
| Focal length telescope | 178 mm |
| Magnification eyepiece | 15x |
| Free aperture | 32 mm |
| Width entrance slit | 0 - 2 mm |
| Diameter specimen table | 85,5 mm |
| Diameter of the scale | 176 mm |
| Resolution | 0°0'30" |
| Achievable measuring accuracy | $\pm 1'$ |
| Scope of delivery | Main body incl. collimator, telescope, stage for the specimen Prism holder with retaining screws Holder for the diffraction grating Prisms Magnifying glass for the better readability of the scale Dust case |

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