

R&S® KG0880 Outdoor Shelter

For outdoor deployment of
broadcasting transmitters



R&S®KGO880

Outdoor Shelter

At a glance

The R&S®KGO880 outdoor shelter from Rohde&Schwarz is designed for the weatherproof outdoor deployment of broadcasting transmitters. As it is largely independent of existing infrastructure, the R&S®KGO880 is an easy and affordable solution for installing transmitters at sites that still lack suitable infrastructure.



Rohde&Schwarz developed the R&S®KGO880 specifically for meeting the broadcasting transmission requirements at low-infrastructure sites. Fitted with an air-conditioned system, the housing provides an ideal ambient temperature for the installed transmitters, enabling them to be deployed worldwide. The air-condition system is equipped with a temperature-driven compressor that adjusts its speed automatically depending on the ambient temperature and the devices installed. Besides saving energy costs, this enables additional equipment to be installed in the housing without requiring changes to the air-condition system.

The outdoor shelter's exceptionally compact size and low weight mean that it can be transported in standard elevators. The R&S®KGO880 can be set up on roofs or close to roads, for example, to provide coverage for mobile reception quickly and inexpensively.

The new housing is ideal for the R&S®SCx8000, a low-to-medium-power transmitter with an output power of up to 1400 W (ATV). The R&S®KGO880 is also suitable for television and audio broadcasting in the lowest power range. Output power of up to 250 W (ATV) is possible with R&S®SLx8000 transmitters and R&S®XLx8000 transposers, for example. In FM applications, the compact R&S®SR8000 family, capable of an output power up to 2.5 kW, is the right choice. The housing can also accommodate multiple transmitters.

Various options, including lightning protection, smoke detectors and lighting, are available for the outdoor housing, enhancing its flexibility. The R&S®KGO880 can also be used to house other equipment in 19" design and suitable cooling technology.

Key facts

- Complete, single-source solution
- Compact, weather- and corrosion-proof housing
- Designed for efficient outdoor deployment of broadcasting transmitters
- For use worldwide
- IP 56 safety class
- Temperature range from -30°C to $+55^{\circ}\text{C}$
- 23 HU in 19" rack

Specifications

Maximum possible power dissipation	up to 3.5 kW
Maximum installation height	2000 m above sea level
Permissible temperature range	-30 °C to +55 °C
Operating temperature range, internal	+1 °C to +45 °C
Storage temperature range	-40 °C to +70 °C
Permissible humidity	0% to 95%, non-condensing
Standards	IP 56 in line with EN 60529 IEC 60950-1 IEC 60950-22 USTC-certified for the US market
Installable transmitter families	R&S®SCx8000, R&S®SLx8000, R&S®XLx8000 and R&S®SR8000
Dimensions (H x W x D)	1950 mm x 700 mm x 1000 mm
Available HU in 19" rack	23
Weight without installed components	250 kg

Ordering information

Designation	Type	Order No.
R&S®KGO880; example configuration		
Outdoor Housing, 23 HU	R&S®KGO880T1	2106.5805.03
Air-Conditioning Kit	R&S®KL880F2	2106.6910.02
Mains Distribution Unit, with 3 circuit breakers	R&S®ZR800Z10	2106.8007.03
Rack Control, single-phase	R&S®ZR880S1	2106.7000.21
Main Circuit Breaker	R&S®ZR880S2	2106.7100.02
Lightning Protection Kit, single-phase	R&S®ZR880S3	2106.7200.11

Service you can rely on

- | Worldwide
- | Local and personalized
- | Customized and flexible
- | Uncompromising quality
- | Long-term dependability

About Rohde & Schwarz

Rohde & Schwarz is an independent group of companies specializing in electronics. It is a leading supplier of solutions in the fields of test and measurement, broadcasting, radiomonitoring and radiolocation, as well as secure communications. Established more than 75 years ago, Rohde & Schwarz has a global presence and a dedicated service network in over 70 countries. Company headquarters are in Munich, Germany.

Environmental commitment

- | Energy-efficient products
- | Continuous improvement in environmental sustainability
- | ISO 14001-certified environmental management system

Certified Quality System
ISO 9001

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