

Cable Guide Rail CGR 6.0

Technical data:

Moving range	6.0 m (without clamp)
Total measurement length	6.6 m (with clamp)
Overall length	6.8 m
Track height	0.8 m above floor
Load capability	15 kg
Material	Plastic and reinforced fiberglass
Cross section	101 mm x 95 mm
Base L x W	0.3 m x 0.3 m (with supporting pillars)
Position speed adjustable in combination with FCU3.0	1.0 cm/s – 35 cm/s
in combination with NCD	1.0 cm/s – 20 cm/s
Positioning accuracy	+/- 0.5 cm
Motor	DC stepper motor
Support drive	Toothed belt
Material of toothed belt	Kevlar reinforced (non-metallic)
Voltage	110 VAC – 230 VAC, 50 Hz / 60 Hz single phase
Current consumption	max. 16 A
Required RCD	300 mA
Control cable	Fibre optic lines
Remote control via	LAN (TCP/IP); (IEEE only with NCD)
Interference suppression	20 dB under limits DIN EN 55011:2022-05 class B
Operating temperature	10°C – 35°C
Total weight	approx. 70 kg
Accessories	Service manual 3 m power supply cable

Brief description

The **CGR 6.0** cable measuring guide rail, with the exception of the drive unit, is fabricated from plastic (PVC and reinforced fibreglass). Metal parts are located only in the base plate and the drive mechanism (max. 0.3 m above ground level).

The slide rail has adapter plates, which fit all commercially available measuring clamps. The zero point of the measuring length is located 20 mm from the edge of the slide bar (E.U.T.).

The **LAN (TCP/IP) - interface** provides an additional control option for all functions, when operated with the FCU^{3.0} or NCD Controller.



Information presented enclosed is subject to change as product enhancements are made regularly. Pictures included are for illustration purposes only and do not represent all possible configurations.