



## Rainford EMC Controller NCD

The new developed Multiple Control Device NCD is suited for the operation of up to 8 devices with multiple axis of motion. Those devices can be any combinations of antenna masts, cable guide rails or any other positioning equipment.

This controller NCD permits the operation in manual, semi-automatic and remote control mode via IEEE 488.2 (GPIB Bus), or optionally other interfaces, of multiple devices simultaneously.



Figure: NCD with option 'tip-up handle'

### Technical Data

Data Interfaces	IEEE 488.2 (GPIB-Bus) and Ethernet (Optional available: USB, RS232, etc.)
Device Interface	Fibre Optic Cable (up to 2000m distance)
Transfer Rate	Real Time 100 Mbit/s (fast Ethernet)
Display	5.7" TFT Touch Screen Display
Voltage	100-240 VAC, 50/60 Hz, Single Phase
Current Consumption	Approx. 20W
Fuse	T 125mA, 250V
Size (W x D)	19" Rack Mount and Table Unit (427 x 300mm) (Optional with Tip-Up Handle)
Height	3 HE (133 mm)
Temperature Range	5°C - 40°C
Total Weight	Approx. 8 Kg
Accessories	1.5 m Power Supply Cable, Service Manual



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### Brief Description of NCD

The multiple control device NCD works with Agilent, R&S, Teseq and other software. The IEEE 488 (GPIB) is available as a standard interface device. Other interface available upon request.

- **User-friendly, time-saving function keys**  
The function keys F1 to F10 allow the implementation of individual, customer-specific sequence programs for user-friendly, time-saving handling and operation.  
The individual programs can be stored and accessed by one function key.
- **Error Analysis Based on Error Codes**  
Diagnosis via USB interface possible  
Optional analysis via internet and Ethernet interface possible
- **USB Interface**  
Updates easily implemented by USB stick  
Possibility to plug in a computer mouse and keyboard
- **Easy Operation with Touch Panel**  
Fast and reliable operability based on touch panel technology  
Layout of touch screen display can easily be adjusted according to customers' request
- **Position Keys**  
With the position keys UP/DOWN, CW/CCW and VER/HOR the positioners can easily be moved in manual mode.
- **Real-Time Capable**  
Each program cycle will finish in the default time frame being no matter how many devices are controlled at the same time. Due to this feature no overflow of commands can happen when using fast remote computers.
- **Handheld Control Unit**  
Easy implementation of standard or customer-specific handheld control units possible
- **Precise Display Accuracy**  
The display resolution is highly precise with position readout increments of 1 mm respectively 0.1 degree.  
Higher resolutions possible upon request.



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