Controller NCD

The Multiple Controller **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, turntables, 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.)
Transmission	Fibre optic cable (up to 2000 m 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. 70W
Fuse	T 0.63A
Size (W X D)	19" Rack mount and table unit (427 x 300 mm) (Optional with tip-up carry 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

Brief description of NCD

The multiple control device NCD works with EMC software from Rohde & Schwarz, Teseq, NEXIO, Toyo, TDK, DARE!! etc. The IEEE 488 (GPIB) is available as a standard interface device. **Other interfaces available on request.**

- **User-friendly, time-saving function keys**
  The function keys F1 to F10 allows the implementation of individual, customer-specific sequence programs for user-friendly, times-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 finished in the default time frame be 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.