

BRUMIL 110 – Motorized-XXL-Winding-Frame

For long distance applications, the modular Motorized-XXL Winding-Frame makes the deployment of tactical fiber optic cables simple. It is a hardened device designed for outdoor, in rough environments as well as for indoor workshops.

Applications:

- Temporary long distance tactical FO-cables between military checkpoints, command posts and head quarters or between control centers, sensors and actors, in harsh environmental conditions
- For tactical fiber optic cable e.g. with military lens connectors.
- For indoor and outdoor use, on a vehicle or in a workshop
- Easy integration and operation

Description:

- The Motorized-XXL-Winding-Frame is specially designed for deployment of very long tactical FO communication lines.
- The Winding-Frame can be mounted on a vehicle e.g. on the back of a truck or off-road-vehicle for the deployment in the field.
- The Motorized-XXL-Winding-Frame is especially designed for the use in harsh environmental conditions.
- There are 230VAC power supply connections to drive the motor directly by an AC mains connection or an additional DC-to-AC-inverter is connected to the onboard 24VDC power of the vehicle to provide the required AC-power to the motor drive.
- The standard configuration includes the following modular components:

• XXL-Winding-Frame	P/N 163181
• XXL-Reel (800mm)	P/N 163732
• XXL-Motor-Drive	P/N 200166
• DC-to-AC-Inverter (24VDC to 230VAC)	
- Each component can be ordered separately
- The maximal cable length is 10km (e.g. BRUmil or BRUfield cable 3.8mm)

Technical data:

Power supply:

- AC power: 230 VAC +/- 10% / 50Hz
- DC power: 22 ... 29.5 VDC
- Max. power consumption: 800W
- Typical peak consumption: 400W
- Typical average consumption 150 W (deployment)

Power cords with special ruggedized connectors (IP68)

Connections:

- 24VDC (APP SPEC PakTM High Power Inline Receptacle)
- 230VAC (Binder 693 Series 3P+PE)



Control functions:

- Joystick switch: forwards
- Joystick switch: backwards
- Potentiometer: speed
- Emergency stop button

Environmental conditions:

Operation:	-10 ... +55° C
Storage:	-40 ... +70° C
Humidity:	5 ... 95% relative humidity, non-condensing
Immersion Protection:	IP 65 (standard)

Dimensions:

Width x Height x Depth with motor:	1250 x 950x 810mm
Width x Height x Depth w/o motor:	740 x 950 x 810mm
Weight Motor-Drive:	approx. 25 kg
Weight Winding-Frame:	approx. 22 kg
Weight XXL-800-reel:	approx. 39 kg

Options:

The Motorized-XXL-Winding-Frame can be customized according to specific requirements and customer's needs, e.g. different size, further accessories, further environmental standards etc.

Extended Temperature range: -25...+60°C

Supported Standards:

- CE
- EN61000-6-1, EN61000-6-2, EN55011
- IP65