

Double Pop-up/Rotary Target Mechanism TG 82-70 BRP-TT

polytronic



Application

Due to the modularity the target mechanism provides the pop-up mode as well as the two additional pop-up/rotary and rotary exposure mode. The target boards can be turned from friend to foe either in a standing position or horizontally when invisible for the shooter.

The TG 82-70 BRP Target Mechanism, the base for the new model, is designed for mobile use in electronic target ranges or on moving trolleys and permits realistic training with live ammunition using small arms and rifles of different calibres. The equipment is ideal for operation in built-up areas (MOUT).



Description

The new TG 82-70 BRP-TT is a double pop-up/rotary target mechanism based on the normal TG 82-70 pop-up target mechanism. Replacing the normal target holder with the new Polytronic rotary module adds new functions to the mechanism.

The rotary module permits realistic training with live ammunition where fast discrimination between friend and foe is required.

Instead of an external contact hit sensor the rotary module records hits on the target automatically by a piezo-ceramic contact sensor built-in the module itself. The contact hit sensor provides optimum hit detection and efficiently filters out false strikes by debris, splinters, etc. Sensitivity of the hit detector can be adjusted via the control system in 15 steps to suit different ammunition types.

It can also be used in fix installed ranges using mains power and wire control.

A bank of TG 82-70 BRP-TT Target Mechanisms can be directly controlled or pre-programmed and can be operated singly, in pre-selected groups or simultaneously with all other mechanisms by the Range Control System (RCS).

The mechanism is pre-programmed with a set of standard target functions. Using either the radio controller or the Range Control System (RCS) a wider range of functions is available.

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Power:	Battery 25.2VDC /
Endurance:	Ca. 700 operations with single target size
Radio Frequency:	400 - 470 MHz
Relative Humidity:	98%
Operating Temperature:	Standard -25 °C to +50 °C extendable -35 °C to +70 °C
Enclosure Rating:	IP 67
Dimensions: Mechanism	440 x 570 x 220 mm
min. protection height	400mm
Weight:	30kg / 66lb

Max Target Size:	Up to 2 targets 450 x 1200mm
Max Target Weight: (with target holder)	2.5kg single target / 5.5lb 5kg double target / 11lb
Wind Load:	72km/h single target 50km/h double target
Raise & Lower Time: (with full size target)	< 1 sec
Hit Detection:	Contact Hit Sensor 15 level sensitivity
Hit Frequency:	1200 rounds/min
Lights:	Built-in lights simulating moonlight, hits on target and retaliatory fire

