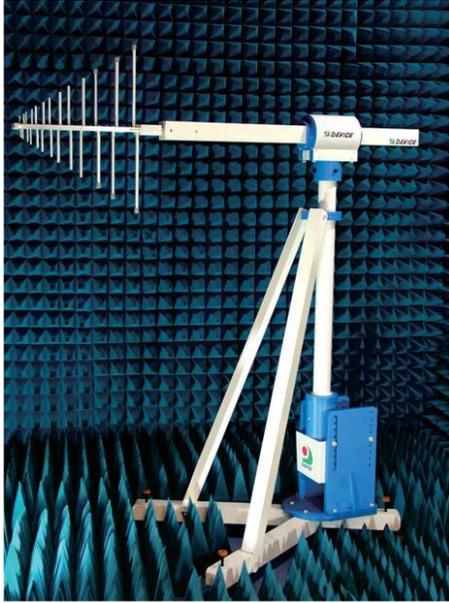




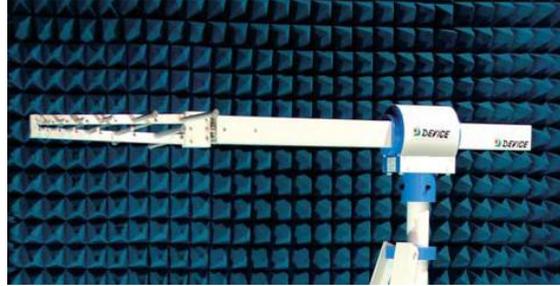
Automatic Antenna Polarization Switching Device

Ideal for Antenna Characteristic Measurements, Immunity, and Emission Testing

A simple positioner capable of switching between horizontal and vertical antenna polarization.



3211A1/0 - Polarization Switching Pole



3111HA1/0 - Position Controller

Key Features

- **Low Electromagnetic Interference Design:** Utilizes resin materials and a compact design to minimize the impact of electromagnetic wave reflection.
- **High Precision Positioning:** Polarization switching accuracy of $\pm 0.3^\circ$.
- **Conditions:** Antenna positioned within 1m of the pole center, at the center of rotation, and antenna mass of 7kg or less.
- **Fast Operation:** Antenna polarization switching time is approximately 6 seconds.
- **Capacity:** Supports antenna loads up to 7kg.
- **Portable & User-Friendly:** Lightweight design equipped with casters for easy transport and movement.
- **Advanced Control:** Supports GPIB control and uses optical fiber cables for signal transmission.
- **Adjustable Height:** Manual height adjustment (200mm range with 25mm pitch).
- **Customization:** Optional adapters for various antenna types are available. A 1.0m height version can be manufactured upon special request.



Specifications

3211A1/0 – Polarization Switching Pole

Antenna Height Position	1500mm ± 100mm (Adjustable in 25mm pitch)
Switching Speed	6 seconds
Position Detection	Optical Sensor Detection
Polarization Accuracy	± 0.3° (See conditions in "Key Features")
Pole / Stay Material	FRP (Fiber Reinforced Plastic) Pole: 63mm round Horizontal Stay: 60mm square pipe
Allowable Antenna Weight	7kg or less (Within 1m from the center of the pole)
Stay Length	1500mm
Weight	23kg

3111HA1/0 – Position Controller

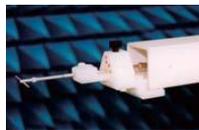
LED display	GPIB ADDRESS (Positioner Operation, Error Display)
Interface	GPIB (Option: TRIGGER output)
Features	<ul style="list-style-type: none"> • Manual Start/Stop Operation • Polarization Switching/Positioner Operation Display • Operation Error Detection [Encoder Reverse Start, Hard Limit, Optical Communication, No Positioner Detected] • GPIB Address Setting/Master Reset Function
Power Supply	AC100V 50/60Hz
Size (mm)	217 (W) x 97 (H) x 210 (D)
Weight	2.1kg

Options

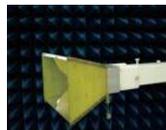
Antenna mounting (Various adapters available for different antenna types)



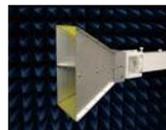
ADPO051-22 Antenna Adapter (for ϕ 22)



ADPO035 Antenna Adapter
For Standard Dipole Antennas



ADPO045-1, -2 Antenna Adapter
For ETS3115 Horn Antennas



OPT405 RF Absorber
For vertical/horizontal poles

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