

❖ TR/Rectifier

■ General

In application of impressed current method, the most commonly used DC power source is the rectifier which converts alternating current (AC) to full-wave direct current (DC). It is a DC power supply equipment which is used to provide a required protective current from anode to protected structure through electrolyte. The rectifiers are classified into manual and automatic types, depending upon the control method of the rectifier to maintain the proper protective potential.

Description	Manual Type	Automatic Type
Control Method	Manually controls voltage and current by changing relevant taps, based upon the measured protective potential	Voltage and current are automatically controlled by presented potential
Application	Appropriate for the use when there are almost no environmental changes and facilities which may affect the cathodic protection system in the vicinity.	Appropriate for the use when there are a lot of environmental changes and facilities which may affect the cathodic protection system in the vicinity.

■ How to Order

- Input voltage, phase, Hz
- DC output voltage and current
- Control type
- Analog or digital
- Optional features (Cooling method, enclosure, etc.)

