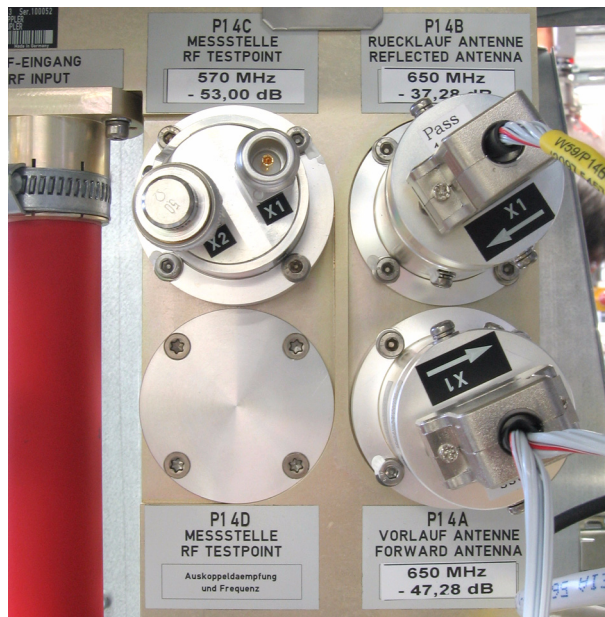


## 1.6.2 Directional Coupler



**Fig. 26** Directional coupler

The forward and reflected power are detected at the transmitter output by means of the frequency-compensated directional couplers P14A (forward) and P14B (reflected). The frequency-compensated directional couplers send a power-proportional DC voltage to the NETCCU<sup>®</sup> transmitter control unit via the integrated rectifier circuit. The DC voltages for the forward and reflected values are displayed in the NETCCU<sup>®</sup> and also used as an S-measurement for VSWR monitoring (reflection antenna).

Directional coupler P14C is an unassigned test point that can be used either as a forward or reflected power test point.

The P14D rectifier is used in the digital TV transmitter in connection with option ADE only.

**Note** *The transmitter is switched off because of reflection if the reflected value exceeds 2% of the forward value after being checked three times.*