

SAFETY EQUIPMENT

Selection Guide

VOLTAGE DETECTORS

	Device	Nominal Voltage U_N / Frequency f_N	Application, Indication	Page
	PHE III and PHE III Electronic indicator	3 / 6 / 10 / 20 / 30 kV / 50 Hz 3...10 / 6...20 / 10...30 kV / 50 Hz 3...10 / 10...30 kV / 50 Hz switchable 6...20 / 10...30 kV / 50 Hz test set	Also for use in wet weather For indoor and outdoor installations With self-testing device Visual and acoustic indicator	14
	PHE III (Kit)	20 kV / 50 Hz 60 ... 132 kV / 50 Hz	Short transport length Quick battery exchange without tools	
	PHE	3 / 6 / 10 / 20 / 30 kV / 50 Hz 3...10 / 6...20 / 15...30 kV / 50 Hz 3...10 / 6...20 / 15...30 kV / 50 Hz switchable 60 / 110 kV / 50 Hz	Also for use in wet weather For indoor and outdoor installations With self-testing device Visual indicator Short transport length	30
	PHG II	6 / 10 / 20 kV / 50 Hz	For indoor installations only Visual indication by 3 LEDs LEDs staggered at 120° allow for better observation of the indication Passive voltage detector requiring no batteries	34
	HSA 194 HSA 205	110...420 kV / 50 Hz 1 ... 420 kV / 50 Hz	Also for use in wet weather Non-contact voltage detector For testing of high-voltage and overhead lines for safe isolation from power supply without contact With self-testing device Visual and acoustic indicator	36
	PHE/G	1...7.5 kV / dc voltage	Also for use in wet weather For indoor and outdoor installations With self-testing device Visual indicator Short transport length Two-pole unit (single-/two-pole)	40
	Storage Bags and Transport Cases		Case: Steel plate or plastic Bag: Artificial leather or canvas	68

Routine tests

According to German regulations, voltage detectors have to be tested to ensure compliance with the prescribed limits as stated in the Electrical Safety Rules. This test is performed in the high voltage test laboratory of DEHN + SÖHNE and includes

- test for leakage current,
- test for clear indication,
- test for bridging safety,
- test by visual check, manual test and measuring.

This routine test is documented by a test report and a marking on the device.

The intervals for routine tests depend on the operating conditions of the equipment, e.g. frequency of use, working conditions, transport and storage. According to German regulations, the routine tests **must not exceed 6 years**.

