Application
Containers for mobile HV test systems are used for the arrangement of complete test systems (up to about 100 kV output voltage), for transportation and storage of components (which are assembled to test systems on site) or for arrangement of the control and measuring system. The containers usually correspond to the international standard dimensions resulting in optimum transportability by land, sea and/or air. There are four groups of containers:

Control containers

The container is used as control room during the on-site tests, the related control and measuring equipment as well as the power supplies (e.g. frequency converters for variable frequency resonant test systems) are arranged inside the container (Fig. 1). Control containers are often arranged on trailers (see Data Sheet 8.62). The container is specified as follows:

- Standard 10 ft container (L x W x H = 2991 x 2438 x 2438) according to ISO 668 (color: white)
- Personnel door and one window
- Thermal isolation of floor, walls and ceiling
- Electrical installation (lighting, sockets)
- Opening for power, control and measuring cables

Optional items:
- Air conditioning
- Table for instruments, chair(s)

Fig. 1: Inside a control container for a frequency-tuned resonant test system for cable testing
Transportation and storage container

The components of an on-site test system can be stored and transported inside such a container, equipped with related fixings and a wooden floor. It can be used on site as a very simple control room. Usual features:
- standard 20 ft container (L x W x H = 6058 x 2438 x 2591) according to ISO 668 (color: light grey)
- door for equipment on one side
- wooden floor and fixing elements

Optional items:
- inside hand-operated crane
- two doors

Combined container

Combined containers are 20 ft containers subdivided by a wall or a fence into a control room with personnel door and a storage room with the large equipment door. Each of the two rooms can be equipped as described above. The whole container is thermally isolated. Combined containers may include complete on-site test systems for medium voltage application (Data Sheet 8.03). They are ready for switch on when arrived on test site.

For further information please contact: or our local representative:

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