

Data Sheet 5.51-9/3

Power Supply for HiRES Probe FO, Type HiRES Power Pack, and Type HiRES Charging Unit

Application

The measuring probes with fiber-optic connection can be used on HV potential without any electrical connections in order to eliminate interferences. Therefore a separate power supply on floating potential is necessary, which consists of these two parts:

HiRES Power Pack

The HiRES Power Pack is available as a version flanged directly to the HiRES Probe 100-14 FO in order to form a very rugged, compact unit. Each channel can be equipped with one or two Power Packs at the same time, allowing measuring time of up to 8 hours or 16 hours respectively. The charging level is indicated by 5 LEDs.

Table 1: Main parameters HiRES Power Pack

Working time per HiRES Power Pack (approx.)			
Measurement	h	8	} at 25 °C
Standby	h	14	
Sleep mode	days	7	
Charging time (approx.)	h	6	
Temperature range	°C	-10 ... 40 (operating) -15 ... 35 (storage) 15 ... 35 (charging)	
Durability		up to 500 cycles	
Dimensions of Power Pack	mm	305 x 84 x 50 (Power Pack for HiRES Probe 100-14 FO, external)	
Weight of Power Pack (approx.)	kg	2.3 (Power Pack for HiRES Probe 100-14 FO, external)	

HiRES Charging Unit

For recharging of the HiRES Power Packs the HiRES Charging Unit is used. Various types are available depending on the application.

Table 2: Main parameters HiRES Charging Unit

Charging unit		for Power Pack for HiRES Probe 100-14 FO
Max. Power Packs charged simultaneously		4
Power supply		100-240 V 50-60 Hz
Dimensions (approx.)	mm	415 x 355 x 75
Weight (approx.)	kg	8.2 (without Power Packs)



Figure 1: HiRES Power Pack for HiRES Probe 100-14 FO