



PBI-7

PBI-7 is a digital counter of current pulses, which are caused by lightning strikes to the object's air-termination network. The counter is mounted directly on the lightning down conductor. The PBI-7 is equipped with a display and four control buttons.

By connecting the counter to the down lead of the air-termination network it is possible to get a detailed overview of the number of discharges and their time. Each recorded pulse is provided with a timestamp, by which it can be clearly identified, when the discharge has occurred with an accuracy of seconds.

The PBI-7 is powered by an independent battery pack for easy installation and replacement. The average battery lifetime is 5 years. The advantage of the counter is the battery control system, when the user is continuously informed of the remaining battery capacity. PBI-7 displays the battery cell status value as a figure in the range of 0 to 100 %.

PBI-7 is in compliance with IEC 62561-6: 2018 standard (Requirements for lightning strikes counter LSC).

Type	PBI-7	
Type according to IEC 62561-6:2018	Type I + Type II	
Product placement	External	
Mounting	Round ø 8 mm or flat 30 x 4 mm down conductor	
Minimum recordable current	$I_{imp\ min}$	1 kA (10/350)
Minimum recordable current	$I_{n\ min}$	1 kA (8/20)
Maximum recordable current	$I_{imp\ max} = I_{imp}$	100 kA (10/350)
Maximum recordable current	$I_{n\ max} = I_n$	100 kA (8/20)
Number of recorded discharges	0 - 999	
Battery type	2 x CR123A or 2 x CR17335SE	
Average battery lifetime	5 years	
Dimension	110 x 130 x 60 mm	
Weight	m	405 g (+ approx. 30 g battery)
Operating temperature	ϑ	-20 °C ... +60 °C
Storage temperature	-40 °C ... +80 °C	
Protection type	IP65	
Article number	70 047	

Note: A reduction kit is required for mounting on a 30 x 4 mm grounding strap. This kit is available under the HAKEL article number 70 047/BS.
 Note: Batteries excluded