

# Pulse Width Extender TLP-3011C

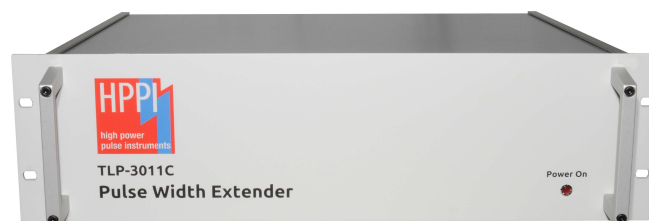
Advanced TLP/HMM/HBM Solutions

## 1 Features

- Fully automatic pulse width extender
- Pulse width from 125 ns up to 1.6  $\mu$ s in 68 digital programmable steps of 25 ns
- High pulse output current up to  $\pm 40$  A
- Can be connected to TLP-3010C/4010C/8010C/12010C systems for automatic pulse width extension
- Digital controlled

## 2 Description

The pulse width extender TLP-3011C is used to extend the pulse width of the TLP-3010C/4010C/8010C/12010C systems up to 1.6  $\mu$ s in 68 digital programmable steps of 25 ns. Maximum output current is  $\pm 40$  A at  $\geq 100$  ps rise time. The pulse width can be configured in the HPPI software graphical user interface. The TLP-3011C is shipped including accessories: high voltage interconnection cable (HV-N), pulse width extension control cable and an external output rise time filter ORT-50 (50 ns). Fig. 1 shows the front and rear side of the TLP-3011C.



(a) TLP-3011C front side



(b) TLP-3011C rear side

Figure 1: TLP-3011C pulse width extender

## 3 Specifications

Parameter	Symbol	Limit Values			Unit	Remarks
		Min.	Typ.	Max.		
Pulse width (typ.)	$t_p$	125		1600	ns	digital programmable in 68 steps: 125 - 1600 ns in 25 ns steps
Dimensions TLP-3011C (W x H x D)	$D_{3011C}$	428 (482.6) x 132.5 x 485			mm <sup>3</sup>	428 mm body, 482.6 mm rack flange
Weight TLP-3011C	$W_{3011C}$		15.2		kg	excluding accessories

## 4 Ordering Information

Pos.	Description	Part No.
01	Automatic Pulse Width Extender TLP-3011C	TLP-3011C

### General

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