

INFRARED COMMUNICATION SOLUTIONS

Test Signal Generator

The Test Signal Generator (TSG Gen 3) can be attached to analog inputs to generate RS232 signal to J2799 compatible IR Transmitter. TSG Gen 3 is J2601-5 compatible

Specification description	Value	Unit	Remarks
Signal input			
Format-analog	4x - each one 0-5V or 4-20mA	Volt/mA	
Format-digital	7x - 12-24V Nominal ON >10VDC, OFF <2VDC	Volt	MAX 26.4VDC
Format-modus	USB 2, using USB C connector		
Signal output			
Digital	4x - Sinking up to 27VDC Max current 1A ON Vdrop = 0.3VDC @1A		MAX 30VDC
Signal output to IR Tx			
Format	RS-232		
Output Signal level	±5V	V	With load 5kΩ
Power input			
Voltage (typ)	24VDC nominal	V	20 - 28VDC, Absolute maximum 30VDC
Current (typ)	120	mA	operating /w TX Mini connected
Current (max)	250	mA	
Form factor			
Length X width	16.4 X 10.9	cm	
Height	4.22	cm	
Weight			
Housing material	Aluminum		
Operation temperature	-10°C to 50°C		
Ingress protection	IP2X		
Certification	Class 1 Div 2		
Input connector type			
Terminal Block, USB-C			
Output connector type			
Terminal Block			

Ordering information	
201229	TSG Gen 3
201365	Test IR Transmitter

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All specifications subject to change without notice.