

# Power supplies

## iT001, iT002, iT004

Our power supplies provide 24 VDC to power the Intelligent Transmitter series of modules. The iT 100/200 module series current requirements are listed in the table below. The sum of the total current needed for each module must be less than the current capabilities of the power supply chosen.

iT model	Current requirement
iT100	125 mA
iT200	125 mA
iT400	160 mA

Note: Due to continuous process improvement, specifications are subject to change without notice. This document is cleared for public release.

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### Key features

- Power supplies for transmitters
- Usable at high temperatures
- AC and DC voltage
- Manufactured in an approved ISO 9001 facility

### Certifications



# Power supplies

## iT001, iT002, iT004

### SPECIFICATIONS

		iT001	iT002	iT004
<b>Input voltage:</b>	<b>DC</b>	90 - 350 VDC	90 - 350 VDC	90 - 350 VDC
	<b>AC, 45-65 Hz</b>	85 - 264 VAC	85 - 264 VAC	85 - 264 VAC
<b>Input fuse, internal/slow blow</b>		1.25 A	2.50 A	3.15 A
<b>Nominal output voltage</b>		24 VDC $\pm$ 1%	24 VDC $\pm$ 1%	24 VDC $\pm$ 1%
<b>Output current</b>		1 A (up to 60° C)	2 A (up to 60° C)	4 A (up to 60° C)
<b>Insulation voltage input/output</b>		3 kV (type test)	4 kV (type test)	3 kV (type test)
<b>Dimensions:</b>	<b>width</b>	0.89 in (22.5 mm)	1.77 in (45.0 mm)	2.66 in (67.5 mm)
	<b>height</b>	3.90 in (99.0 mm)	3.90 in (99.0 mm)	3.90 in (99.0 mm)
	<b>depth</b>	4.50 in (114.5 mm)	4.50 in (114.5 mm)	4.50 in (114.5 mm)
<b>Connection type</b>		iT042 screw/plug connection (supplied)		
<b>Conductor gauge</b>		14 - 24 AWG		
<b>Stripping length</b>		0.28 in (7 mm)		
<b>Protection:</b>	<b>degree</b>	IP20		
	<b>class</b>	Class 2 (in an enclosed control cabinet)		
<b>Temperature:</b>	<b>operation</b>	-13 to +158° F (-25 to +70° C)		
	<b>storage</b>	-40 to +185° F (-40 to +85° C)		
<b>Relative humidity, operating, max</b>		95%, 25° C, no condensation		
<b>Mounting positions on DIN rail</b>		Horizontally: with zero spacing Vertically: with 1.97 in (50 mm) spacing		
<b>Approvals</b>		UL, CE		
<b>Signaling:</b>				
	<b>green LED, constant</b>	proper supply voltage		
	<b>green LED, flashing</b>	BOV out of range		
	<b>red LED, constant</b>	error condition		
	<b>red LED, flashing</b>	normal operation		

### Contact

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