Intelligent transmitter (iT) accessories

The Intelligent Transmitter series of vibration transmitters, vibration alarms, and communication modules can be used to implement online vibration monitoring and simplified machinery monitoring and alarming. 4-20 mA output can be sent directly to the facility's existing PLC or DCS for the most cost effective continuous vibration monitoring. Some of the most common processes to benefit from iT products are pharmaceutical, food and beverage, brewing, water and wastewater, petrochemical, pulp and paper, and power generation facilities.

TBUS connectors

iT031

iT033

iT034

iT035

TBUS connectors

TBUS connectors are used to connect an iT Transmitter module to an adjacent alarm or communications module on the DIN-rail. The connection is needed in order to transfer data between iT100/200/300 series and iT400/500 series modules.

Model	Size	Compatible modules
iT031	17.5 mm	iT100/200 series
iT032	22.5 mm	iT400 series

TBUS extenders

Extenders are used to gain access to the TBUS lines of a module. They are used with standalone iT401 modules. They are the only means of supplying power to an iT401 when not coupled to an iT transmitter or another iT401.

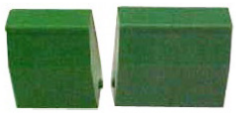
Model	Position extends	Connector type	Cable entry
iT033	8 mm	male receptacle	left side horizontally
iT034	8 mm	female plug	right side horizontally
iT035	12 mm	female plug	right side vertically

Terminal connectors

Terminal connection plugs are supplied with all iT series modules and are for purchase of spare plugs.

Model	Position	Compatible unit size	Compatible modules
iT041	3	17.5 mm	iT100/200 series
iT042	4	22.5 mm	iT001/002/004 and iT400 series

Covers



The cover is a "blank" which is set on the space in the connector block where no terminal connection exists. Covers can be placed over unused connectors.

Model	Position	Compatible unit size	Compatible modules
iT043	3	17.5 mm	iT100/200 series
iT044	4	22.5 mm	iT001/002/004 and iT400 series

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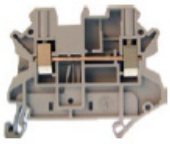
DIN rail mounting equipment

Terminal block

iT053

iT057
iT054

iT055



iT056

Model	Size	Type	Description
iT053	5 mm	end stop	DIN rail mounted end-stops are used to keep mounted modules and blocks on the DIN rail from sliding.
iT054	6.2 mm	fused terminal block	A fused terminal block is used to pass the AC mains line connection to the power supply. In the US, this is usually the black wire for single phase power. The removable pull fuse can be used as a local point to disconnect when service is required within the DIN box.
iT055	6.2 mm	unfused terminal block	An unfused terminal block is used to pass the AC mains neutral connection to the power supply. In the US, this is usually the white wire.
iT056	6.2 mm	ground terminal block	Terminal block includes clamp to ground DIN rail and can be used as end-stop. This block is used to pass the AC mains ground connection to the power supply. In the US, this is usually the green wire. The block has no disconnect pull or fuse.
iT057	5 mm	fuse holder	Spare fuse holder used in the iT054. The iT054 is shipped with one iT057.
iT058	N/A	marker strip	Zack strip with custom “L N G” labeling (for Line, Neutral, and Ground) to use with iT054/055/056. Labels have the standard terminology for AC mains connections.

Fuses

Fast blow, glass fuses are used with iT power supplies, and fit into the iT057 fuse holder.

Model	Size	Amp	Compatible power supply
iT061	5 x 20 mm	2.5	iT001
iT062	5 x 20 mm	5	iT002
iT064	5 x 20 mm	10	iT004

Lead extractor

The lead (shield) extractor is a tool to aid in removing wires from braided shield cables. The tool speeds the preparation of the ends of braided shielded cables for wiring terminations. The lead extractor tools are sized to the outer diameter of cables.

Model	Wire size	Compatible cabling
iT074	<0.100” OD	J5A, J6, J8, J61, J81, J81S
iT075	<0.130” OD	J9A, J9T2, J9T2A, J9T2AS, J9T3, J10, J11

Screwdriver

Model	Description
iT077	Small screwdriver for use with the module terminal block screws, large grip and small shank

Power cord

Model	Description
iT099	120 VAC, 6’ power cord (US outlets), uses standard 120 VAC 3-prong plug termination

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