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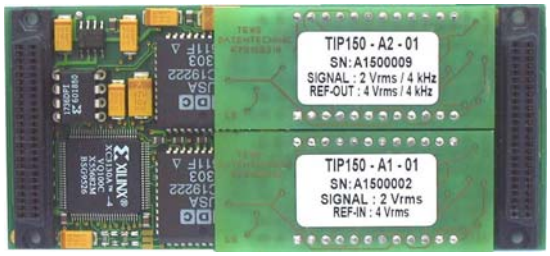
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Find the *Tews Technologies TIP150-40* at our website: ***Click HERE***

TIP150 1 or 2 Channel Synchro / Resolver-To-Digital-Converter

Application Information

The TIP150 is an IndustryPack® compatible module providing one or two channels of a tracking synchro / resolver-to-digital converter. The resolution programming allows selection of 10, 12, 14 or 16 bit conversion. This combines the high tracking rate of a 10 bit converter with the precision of a 16 bit converter.



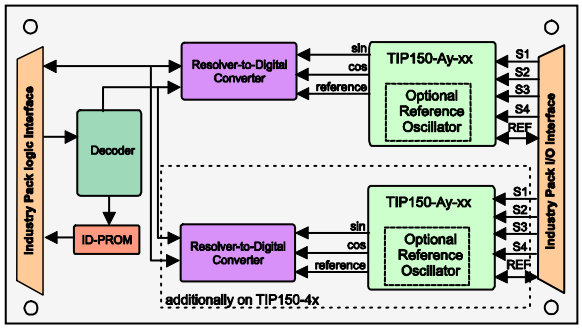
Two converter accuracies are available: TIP150-x0x with 4 arcmin +1LSB and TIP150-x1x with 2 arcmin +1LSB. The customer specific signal conditioning adapter (TIP150-Ay-xx) per channel provides an easy interface to the different types of synchro and resolvers. For highest accuracy the on board reference oscillator of the signal conditioning adapter TIP150-A2-xx and TIP150-A4-xx automatically compensates the phase error generated by the synchro / resolver.

For First-Time-Buyers the Engineering Documentation TIP150-ED is recommended. The Engineering Documentation includes TIP150-DOC, schematics and data sheets.

Software support (TIP150-SW-xx) is available for different operating systems.

Technical Information

- Interface according to IndustryPack specification
- Identification-PROM supports auto-configuration
- Single Size IndustryPack
- One or two channels Tracking Synchro/Resolver-To-Digital-Converter
- Programmable resolution 10, 12, 14 or 16 bits
- Adjustable bandwidth
- Converter accuracy 4 or 2 arcmin + 1LSB
- Velocity output and built-in-test output
- Individual input voltage for each channel by signal conditioning adapter
- Optional reference oscillator for each channel on signal conditioning adapter
- Oscillator frequency factory selectable 2 - 20KHz
- Oscillator amplitude 11.8Vrms maximum
- Resolver phase error compensation



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TEWS TECHNOLOGIES GmbH
Am Bahnhof 7 25469 Halstenbek, Germany
Phone: +49 (0) 4101 4058 0 Fax: +49 (0) 4101 4058 19
e-mail: info@tews.com www.tews.com

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Order Information

RoHS Compliant

TIP150-30R	One channel Tracking RDC, converter accuracy 4 arcmin + 1LSB
TIP150-31R	One channel Tracking RDC, converter accuracy 2 arcmin + 1LSB
TIP150-40R	Two channel Tracking RDC, converter accuracy 4 arcmin + 1LSB
TIP150-41R	Two channel Tracking RDC, converter accuracy 2 arcmin + 1LSB
TIP150-A1-xxR	Resolver Signal Conditioning Adapter
TIP150-A2-xxR	Resolver Signal Conditioning Adapter with reference oscillator

None RoHS Compliant

TIP150-30	None RoHS compliant version of TIP150-30R
TIP150-31	None RoHS compliant version of TIP150-31R
TIP150-40	None RoHS compliant version of TIP150-40R
TIP150-41	None RoHS compliant version of TIP150-41R
TIP150-A1-xx	None RoHS compliant version of TIP150-A1-xxR
TIP150-A2-xx	None RoHS compliant version of TIP150-A2-xxR
TIP150-A3-xx	High Precision Synchro/Resolver Signal Conditioning Adapter
TIP150-A4-xx	High Precision Synchro/Resolver Signal Conditioning Adapter with reference oscillator

Documentation

TIP150-DOC	User Manual
TIP150-ED	Engineering Documentation, includes TIP150-DOC

Software

TIP150-SW-25	Integrity Software Support
TIP150-SW-42	VxWorks Software Support (Legacy and VxBus-Enabled Software Support)
TIP150-SW-65	Windows XP/XPE/2000 Software Support
TIP150-SW-72	LynxOS Software Support
TIP150-SW-82	LiNUX Software Support
TIP150-SW-95	QNX 6 Software Support

For other operating systems please contact TEWS.

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Am Bahnhof 7 25469 Halstenbek, Germany
Phone: +49 (0) 4101 4058 0 Fax: +49 (0) 4101 4058 19
e-mail: info@tews.com www.tews.com

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