
































# TRION & TRION3 MODULES

Choose from our various TRION{3} signal conditioning modules to measure analog signals from any sensor absolute synchronously. Enjoy maximum flexibility with these user-exchangeable modules featuring A/D conversion on each channel and anti-aliasing filters.

ANALOG MODULES		CHANNELS	SAMPLE RATE PER CHANNEL	RESOLUTION	ISOLATION	CONNECTOR TYPES
<b>TRION3</b> -1850-MULTI <sup>1)</sup> <b>TRION3</b> -1820-MULTI <sup>1)</sup> TRION-1820-MULTI		4 or 8	1850: 5 MS/s 1820: 2 MS/s	24-bit >2MS/s: 18-bit	yes	4 D-SUB or 8 LEMO 0B
TRION-2402-MULTI		4 or 8	200 kS/s	24-bit	yes	4 D-SUB or 8 LEMO 0B
TRION-1620-ACC		6	2 MS/s	24-bit >1 MS/s: 16-bit	yes	6 BNC or LEMO 1B
TRION-1620-LV		6	2 MS/s	24-bit >1 MS/s: 16-bit	yes	6 BNC or LEMO 1B
TRION-1810-HV		4 to 8	1 MS/s	24-bit	yes	Safety banana, CAT III 1000 V <sup>1)</sup>
<b>TRION3</b> -1810-SUB-8 <sup>1)</sup>		8	1 MS/s	20-bit	yes	Safety banana
TRION-1603-LV		6	250 kS/s	16-bit	yes	6 BNC or LEMO 1B
TRION-2402-dSTG		8	200 kS/s	24-bit	no	8 LEMO 0B, 8 RJ45
TRION-2402-dACC		6 or 8	200 kS/s	24-bit	no	6 BNC or 8 SMB
<b>TRION3</b> -1802-dLV <sup>1)</sup>		16 or 32	200 kS/s 100 kS/s	18-bit 24-bit	no	D-SUB
TRION-1802-dLV		16 or 32	200 kS/s 100 kS/s	18-bit 24-bit	no	D-SUB
<b>TRION3</b> -1600-dLV <sup>1)</sup>		16 or 32	20 kS/s	16-bit	no	D-SUB
TRION-1600-dLV		16 or 32	20 kS/s	16-bit	no	D-SUB






















<sup>1)</sup>All TRION3 modules require a DEWE3 chassis

DIGITAL MODULES		CHANNELS	SAMPLE RATE PER CHANNEL	RESOLUTION	ISOLATION	FEATURES
TRION-CNT	 	6	2 MS/s	80 MHz	yes	6 advanced counter
TRION-DI-48		48	2 MS/s	500 ns	yes	48 high-speed digital IN
TRION-BASE	  	-	2 MS/s	80 MHz	no	Basic IO card with simple IRIG sync and 2 counter
TRION-VGPS-V3	    	-	2 MS/s	0.01 km/h <10 cm	no	100 Hz GNSS receiver for automotive applications
TRION-TIMING-V3	    	-	2 MS/s	12.5 ns	no	Applies precision absolute time to measured data
TRION-CAN		4	1 MBit	-	yes	D-SUB
TRION-ARINC		4 or 16	-	-	no	Decoding of ARINC 429 signals, export of decoded signals
TRION-MIL1553		1 or 4	-	-	no	Decoding of MIL-STD-1553, export of decoded signals
TRION-EtherCAT-1-SLAVE		100	500 S/s	-	no	Measurement data output

POWER MODULES		CHANNELS	SAMPLE RATE PER CHANNEL	RESOLUTION	ISOLATION	CONNECTOR TYPES
TRION3-1810M-POWER <sup>1)2)</sup>	 	8 (4 U / 4 I)	10 MS/s	18-bit	yes	Safety banana, exchangeable sub-modules
TRION3-1820-POWER <sup>1)2)</sup>	 	8 (4 U / 4 I)	2 MS/s	18-bit	yes	Safety banana, exchangeable sub-modules
TRION-1820-POWER <sup>2)</sup>	 	8 (4 U / 4 I)	2 MS/s	24-bit	yes	Safety banana, exchangeable sub-modules
TRION-1810-HV <sup>2)</sup>		8 (4 U / 4 I)	1 MS/s	24-bit	yes	Safety banana, exchangeable sub-modules
TRION3-1810-SUB-8 <sup>1)2)</sup>	 	8	1 MS/s	18-bit	yes	Exchangeable sub-modules

<sup>1)</sup> All TRION3 modules require a DEWE3 chassis

<sup>2)</sup> These modules occupy 2 TRION(3) slots

ANALOG OUTPUT MODULES		CHANNELS	SAMPLE RATE PER CHANNEL	RESOLUTION	ISOLATION	CONNECTOR TYPES
TRION3-1850-MULTI-AOUT <sup>1)2)</sup>	         	IN: 8 OUT: 8	IN: 5 MS/s OUT: 2.5 MS/s	IN: 24-bit OUT: 16-bit or 32-bit	IN: yes OUT: yes	IN: LEMO 0B OUT: D-SUB, BNC
TRION3-1820-MULTI-AOUT <sup>1)2)</sup>	         	IN: 8 OUT: 8	IN: 2 MS/s OUT: 2.5 MS/s	IN: 24-bit OUT: 16-bit or 32-bit	IN: yes OUT: yes	IN: LEMO 0B OUT: D-SUB, BNC
TRION3-AOUT-8 <sup>1)</sup>		OUT: 8	OUT: 2.5 MS/s	OUT: 16-bit or 32-bit	OUT: yes	OUT: D-SUB, BNC

<sup>1)</sup> All TRION3 modules require a DEWE3 chassis

<sup>2)</sup> These modules occupy 2 TRION(3) slots

## MAXIMUM FLEXIBILITY WITH PLUG&PLAY TRION(3) MODULES

You are absolutely flexible with the user-exchangeable TRION(3) modules: Choose your suitable TRION(3) modules, plug them into your DEWE3 DAQ system, turn the system on and get to work. The modules are automatically identified and configured within the software as soon as it is launched.

