

ZMD

Sensor Signal Conditioner Kits

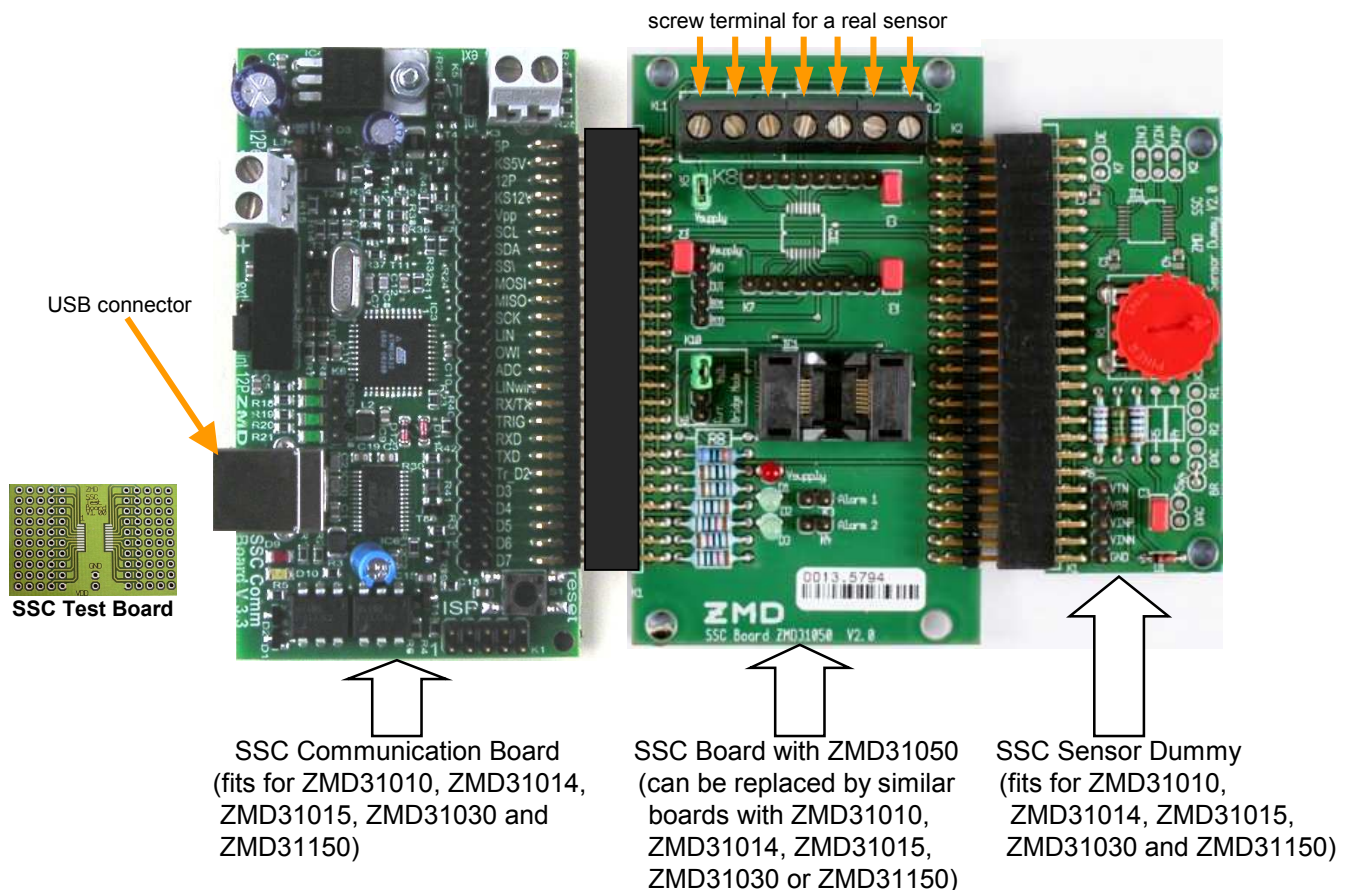
Feature Sheet

The ZMD Sensor Signal Conditioner Kits provide support for newcomers and experienced users in evaluating ZMD Sensor Signal Conditioner ICs (SSCs).

Self-explaining graphical user interfaces allow to control the following functions:

- IC configuration including adjustment of gain-factor, zero-point-shift, temperature compensation reference, signal resolution, sample rate, output options, measurement regime, clamp limits, etc.
- Reading and programming of EEPROM and CMC (calibration micro controller) registers
- Display of the unconditioned and of the conditioned bridge sensor and temperature sensor signals
- Simulation of a real bridge sensor element by a Sensor Dummy (real sensor alternatively connectable)
- By using the SSC Test Board an SSC application circuit can be assembled and evaluated very easy
- Experimental semi-automatic calibration covering measurements, calibration coefficients calculation and EEPROM programming

Modular Evaluation Kit for ZMD31050 (similar kit available for ZMD31010/31014/31015/31030/31150)



Notes:

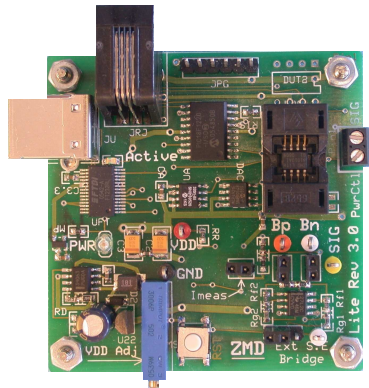
- All kits include an USB cable, 5 IC samples, a SSC Test Board and a CD-ROM containing software and documentation.
- For the current revision of this document please go to www.zmd.biz.

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ZMD31010/31015 Development Kit



Ordering Codes

	Pos.	Product Name	Ordering Code
Modular SSC Evaluation Kits	1	ZMD31010 Evaluation Kit V1.0 (incl. Pos. 9, 10, 18, 19, 20)	ZMD31010KIT
	2	ZMD31014 Evaluation Kit V1.0 (incl. Pos. 9, 11, 18, 19, 20)	ZMD31014KIT
	3	ZMD31015 Evaluation Kit V1.0 (incl. Pos. 9, 12, 18, 19, 20)	ZMD31015KIT
	4	ZMD31030 Evaluation Kit V2.0 (incl. Pos. 9, 14, 18, 19, 20)	ZMD31030KIT
	5	ZMD31050 Evaluation Kit V3.0 (incl. Pos. 9, 16, 18, 19, 20)	ZMD31050KIT
	6	ZMD31150 Evaluation Kit V1.0 (incl. Pos. 9, 17, 18, 19, 20)	ZMD31150KIT
Extra parts for Modular SSC Evaluation Kits	7	SSC Communication Board V3.3 (incl. USB cable)	SSC Comm. Board V3.3
	8	SSC Board ZMD31010 V1.0 (incl. 5 IC samples)	SSC Board ZMD31010 V1.0
	9	SSC Board ZMD31014 V1.0 (incl. 5 IC samples)	SSC Board ZMD31014 V1.0
	10	SSC Board ZMD31015 V1.0 (incl. 5 IC samples)	SSC Board ZMD31015 V1.0
	11	SSC Board ZMD31030 V2.0 (incl. 5 IC samples)	SSC Board ZMD31030 V2.0
	12	SSC Board ZMD31050 V3.0 (incl. 5 IC samples)	SSC Board ZMD31050 V3.0
	13	SSC Board ZMD31150 V1.0 (incl. 5 IC samples)	SSC Board ZMD31150 V1.0
	14	SSC Sensor Dummy V2.0	SSC Sensor Dummy V2.0
	15	SSC Test Board V1.0	SSC Test Board V1.0
	16	SSC Evaluation Kit Software V2.10 (CD-ROM)	SSC CD V2.10
Single-board SSC Kits	17	ZMD31010 Development Kit	ZMD31010DK
	18	ZMD31015 Development Kit	ZMD31015DK
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Important Notice / Restrictions:

The ZMD SSC Evaluation Kit and ZMD SSC Evaluation Kit software is designed for IC evaluation, laboratory setup and module development only. The ZMD SSC Evaluation Kit hard- and software must not be used for module production and production test setups. ZMD AG shall not be liable for any damages arising out of defects resulting from (i) delivered hard- and software (ii) non-observance of instructions contained in this manual, or (iii) misuse, abuse, use under abnormal conditions or alteration by anyone other than ZMD AG. To the extent permitted by law ZMD AG hereby expressly disclaims and User expressly waives any and all warranties, whether express, implied or statutory, including, without limitation, implied warranties of merchantability and of fitness for a particular purpose, statutory warranty of non-infringement and any other warranty that may arise by reason of usage of trade, custom or course of dealing.

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