







Product	298 ShockLog	248 ShockLog	208 ShockLog	MONI LOG ShockDisplay Curve	MONI LOG EnDaL curve	MLog Transport Monitor
Manufacturer		ShockWatch (Dallas, TX)		SMT Hybrid GmbH	SMT Hybrid GmbH	MESSKO Reinhausen
Product Photo						
Product Description	The ShockLog 298 monitors and records dynamic impact acceleration events in 3 axes, vibration and internal temperature; also recording peak value (time slot) and summary period journey profile data.	The ShockLog 248 monitors and records dynamic impact acceleration events in 3 axes and internal temperature; also recording peak value (time slot) and summary period journey profile data.	The ShockLog 208 monitors peak value (time slot) and summary period journey profile data, while providing internal temperature.	Transport data logger with display and memory for 100 of the most severe impacts and slope values. Records transport stresses, prevents transport damage and helps to reduce packing.	Impact recorder for the recording of impacts, temperature and relative humidity, angle of inclination, air pressure and similar values.	stores and visualizes a large number of parameters, events and limit violations for acceleration, ambient temperature and humidity
Product Comparison Summary		Best comparable Shocklog recorder to the MoniLog EnDaL Curve or Messko MLog with added features highlighted in "bright red" below			Features highlighted in "light pink" below do not provide the same level of technology or confidence as the Shocklog	Features highlighted in "light pink" below do not provide the same level of technology or confidence as the Shocklog
Product Specifications						
Weight	515g (without batteries)	500g (without batteries)	500g (without batteries)	860g (C cell) or 1100g (D cell)	800g	1.8 kg
Dimensions	123mm x 84mm x 55mm	84mm x 84mm x 50mm	84mm x 84mm x 50mm	206mm x 100mm x 40 mm (C) 215mm x 100mm x 43 mm (D)	180mm x 106mm x 37mm	297 mm x 196 mm x 59 mm
Case Material	Aluminum	Aluminum	Aluminum	Aluminum, coated	aluminum sensor tube	Luran S, Softell TKS
Status Indicator	LED - Running, Warning, Alarm	LED - Running, Alarm	LED - Running, Alarm	Illuminated display screen	Bi-color LED	Status LEDs
Power	2 x 3.6V lithium 2 x 1.5V alkaline size AA	1 x 3.6V lithium 1 x 1.5V alkaline size AA	1 x 3.6V lithium 1 x 1.5V alkaline size AA	2x size C or size D batteries of alkaline, NIMH, Li (on request) or external batteries (2V-10V)	2 C batteries, alkaline or lithium. ** Supplied with two standard alkaline "C" size batteries	6x batteries LR14 Varta 4014
Battery Life	Up to 18 months w/ lithium battery	Up to 12 months w/ lithium battery 12 months = 8,760 h	Up to 12 months w/ lithium battery 12 months = 8,760 h	100 days C cell, 250 days D Cell	1,000 h (rechargeable NiCd battery), 1,500 h (rechargeable NiMH battery), 2,500 h (alkaline or lithium battery).	Not listed on the technical specifications, only in the literature portion of the datasheet.
Connectivity	USB, iButtons, RF (optional)	USB, iButtons	USB, iButtons	RS-232 and USB 1.1	RS-232/USB to Serial Adaptor	Mini USB, B type
Accelerometer Type	3-axis piezoelectric	3-axis piezoelectric	3-axis piezoelectric	3-axis piezoelectric	Internal 3-axis piezoelectric sensor and/or up to 3 external uni-axial sensors	3-Axis-Acceleration sensor, -16g ... +16g
Accelerometer Resolution	0.1% of scale	0.1% of scale	0.1% of scale	N/A	N/A	0.1g
Accelerometer Range	1G, 3G, 10G, 30G,100G or 200G (programmable)	Fixed Scale 10g, 30g or 100g	Fixed Scale 10g, 30g or 100g	5G, 10G, 20G or 50G (fixed scale), special models available	2G, 5G, 10G, 20G, 50G, 100G and 200G (programmable)	-16g to +16g
Scale Factor Accuracy	+/- 2% @ 5G, additional +/-2% at other ranges	+/- 2% @ 5G	N/A	N/A	N/A	±0.16 g
Alarm Threshold	5 to 95% of range	10-95% of range	N/A	Recording threshold from 5% of range	Response threshold: 5-75% of range	N/A
Qualifications	IP67 Rated	IP67 Rated	IP67 Rated	IP65 rated	IP65 rated	IP 65
Memory Capacity	4Mb	2Mb	1Mb	N/A	16,384 acceleration values 16,384 temperature and humidity values each 4,096 digital events	N/A
Recording Methods	Shock event (impact curve) Time-slot (peak value) Summary period data	Shock event (impact curve) Time-slot (peak value) Summary period data	Time-slot (peak value) Summary period data	Shock Event (with Graph curve)	Shock event (impact curve) Timeslot (temp, RH & external accelerometers)	Shock event (impact curve) Timeslot (temp, RH)
Max Peak Acceleration Events	870	128 / 15 Graphical	N/A	100	10 or 20	400
Event Duration	1 to 128 sec	4s	N/A	1,024 ms	max. 2 s recording per event	1.9s / shock
Operating Temperature Range	-40C to 85C	-40C to 85C	-40C to 85C	-20C to 65C	-40C to 75C	-40° C ... +80° C
GPS Enabled	Optional built-in GPS coordinate recorder Optional GPS tracking unit (accessory)	N/A	N/A	External option	External option	IM100 - Optional IM50 - N/A
Software	Windows XP, Vista, 7, 8	Windows XP, Vista, 7, 8	Windows XP, Vista, 7, 8	WIN 2000/XP Graphically and scheduler signal analysis with messaging, frequency analysis	WIN 2000/XP Graphically and scheduler signal analysis with messaging, frequency analysis	Platforms for use not listed
Expandibility	Temperature: Internal standard, external option (factory-fitted) or accessory Humidity: External option (factory-fitted) or accessory Air Pressure, tilt/roll, single-channel external accelerometer accessories available	Temperature: Internal standard, external option (factory-fitted) Humidity: External option (factory-fitted)	Temperature: Internal standard, external option (factory-fitted) Humidity: External option (factory-fitted)	Inclination standard	Temperature, humidity standard Other sensors can be connected for combined measurement of air pressure, stack pressure, inclination and up to 4 digital signals	parameterizable analog and digital inputs - IM100 only