



Date: November 26<sup>th</sup>, 2025

## CERTIFICATE OF COMPLIANCE

This certificate of compliance validates the following			
TEST REPORT NUMBER 'Assessment Reports' are not acceptable	9-0044/25 0-0284E/25	CERTIFICATE NUMBER	1293-CPR-0946
DATE OF ISSUE	November 20 <sup>th</sup> , 2025 November 18 <sup>th</sup> , 2025	DATE OF ISSUE	November 26 <sup>th</sup> , 2025
DATE OF EXPIRY	N/A	DATE OF EXPIRY	N/A
Manufacturer details			
NAME OF FACTORY/ MANUFACTURER	Teletek Electronics JSC	NAME OF THE BRAND	Teletek Electronics
FACTORY ADDRESS / REGION (STREET / TOWN / CITY / COUNTRY)	Teletek Electronics JSC, 2, Iliyansko Shose Str., NPZ Voenna Rampa, 1407 Sofia, Bulgaria	MODEL / NO	Conventional Linear detector using an optical light beam SensoMAG BM120 SensoMAG BM60, Precise BM120, Precise BM60, Herald BM120, Herald BM60, RunwayLeo BM120, RunwayLeo BM60
WEBSITE	<a href="http://www.teletek-electronics.com/">http://www.teletek-electronics.com/</a>	LOGO ON THE PRODUCT	
TEL	+359 2 9694 700	EMAIL	<a href="mailto:info@teletek-electronics.bg">info@teletek-electronics.bg</a>





Product Details From Test Report		Reference Test Report page NO																
<b>DESCRIPTION OF THE PRODUCT</b>  (TECHNICAL DETAILS FROM TEST REPORT, SUCH AS ACTUAL FIRE RATINGS/DIMENSIONS/THICKNESS/ SENSITIVITY ETC)	<p>SensoMAG BM is a conventional, reflector type, linear beam detector. The detector is compatible for operation with conventional fire alarm panels, including MAG series, produced by Teletek Electronics JSC. The detector is powered on from an external power supply unit with back-up battery.</p> <p>SensoMAG BM consists of two parts: main module including a transmitter and a receiver of the emitted beam light, and a reflector plate. The main unit and the reflector are mounted facing each other on opposite walls of the protected premises, as there must be a clear direct (horizontal) viewing space between them without presence of any obstacles (as ducts, HVAC pipes, pending objects, etc).</p> <p>The principal of operation of SensoMAG BM is based on detection of attenuation of the signal returned to the receiver. The reducing of the signal is due to obscuration of the light beam caused by visible smoke presence in the space between the main unit and the reflector.</p> <p><b>Technical Specifications</b></p> <table> <tbody> <tr> <td>external power supply voltage</td> <td>24V DC <math>\pm</math> 10%</td> </tr> <tr> <td>Range:</td> <td></td> </tr> <tr> <td>    - SensoMAG BM60</td> <td>from 5 m to 60 m</td> </tr> <tr> <td>    - SensoMAG BM120</td> <td>from 50 m to 120 m</td> </tr> <tr> <td>Type of the reflector</td> <td>prismatic</td> </tr> <tr> <td>Optical wave length - smoke detection - NIR</td> <td>950 nm</td> </tr> <tr> <td>min. height mounting (people moving area)</td> <td>2.7 m</td> </tr> <tr> <td>Distance between two beam detectors</td> <td>15 m</td> </tr> </tbody> </table>	external power supply voltage	24V DC $\pm$ 10%	Range:		- SensoMAG BM60	from 5 m to 60 m	- SensoMAG BM120	from 50 m to 120 m	Type of the reflector	prismatic	Optical wave length - smoke detection - NIR	950 nm	min. height mounting (people moving area)	2.7 m	Distance between two beam detectors	15 m	9-0044/25 Page 2
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<b>TEST STANDARD</b>  (SUCH AS ASTM/BS EN/ DN ETC)	EN 54-12:2015	9-0044/25 Page 1																
<b>TEST DESCRIPTION</b>	<p>Full testing according to whole standard EN 54-12:2015, including following tests:</p> <p>Operational reliability,</p> <p>Nominal activation conditions / Sensitivity,</p> <p>Tolerance to supply voltage,</p> <p>Performance parameters under fire conditions,</p> <p>Durability of Nominal activation condition / Sensitivity:</p> <p>Temperature resistance,</p> <p>Durability of Nominal activation condition / Sensitivity:</p> <p>Humidity resistance,</p> <p>Durability of Nominal activation condition / Sensitivity:</p> <p>Corrosion resistance,</p> <p>Durability of Nominal activation condition / Sensitivity:</p> <p>Vibration resistance,</p> <p>Durability of Nominal activation condition / Sensitivity:</p> <p>Electrical stability</p>	9-0044/25																





	<p>Performed tests (EN 54-12):</p> <ul style="list-style-type: none"> <li>Operational reliability</li> <li>Reproducibility</li> <li>Repeatability</li> <li>Tolerance to beam misalignment</li> <li>Rapid changes in attenuation</li> <li>Response to slowly developing fires</li> <li>Optical path length dependence</li> <li>Stray light</li> <li>Variation of supply parameters</li> <li>Fire sensitivity</li> <li>Dry heat (operational)</li> <li>Cold (Operational): Temperature: -10°C ,Duration: 16 hours</li> <li>Damp heat, steady state (operational): Temperature: 40°C, Relative humidity: 93%, Duration: 4days</li> <li>Damp heat, steady state (endurance): Temperature: 40°C, Relative humidity: 93%, Duration: 21days</li> <li>Vibration, sinusoidal (endurance): Frequency range: 10÷150Hz, acceleration amplitude: 1,0 gn, number of axes: 3, Sweep rate: 1 octave/min, number of sweep cycles per axis:20</li> <li>Impact (operational): Impact energy: (0.5±0.04)J,Number of impacts per point: 3</li> <li>Sulphur dioxide (SO<sub>2</sub>) corrosion (endurance): Temperature: (25±2)°C, Relative humidity: (93±3)%, SO<sub>2</sub> Concentration: a volume fraction of (25±5)10<sup>-6</sup>,Duration: 21days.</li> <li>Electromagnetic Compatibility (EMC), immunity tests                     <ul style="list-style-type: none"> <li>a) Electrostatic discharge</li> <li>b) Radiated electromagnetic fields</li> <li>c) Conducted disturbances induced by electromagnetic fields</li> <li>d) Fast transient bursts</li> <li>e) Slow high energy voltage surges</li> </ul> </li> </ul> <p>List of test equipment used:</p> <table border="1" data-bbox="541 1395 1279 1889"> <thead> <tr> <th>equipment</th><th>Type</th><th>registration number</th></tr> </thead> <tbody> <tr> <td>Fire room with accessories:</td><td></td><td></td></tr> <tr> <td>a) MIC</td><td>MIC912-10</td><td>21513</td></tr> <tr> <td>b) AML-F/obscuration meter for firetestroom</td><td></td><td>830325</td></tr> <tr> <td>humidity chamber VOTSCH</td><td>VC7105</td><td>20933</td></tr> <tr> <td>vibration equipment</td><td>DERRITRON SSC</td><td>21249</td></tr> <tr> <td>stopwatch CHRONO</td><td></td><td>4105/LG</td></tr> <tr> <td>impact hammer PTL</td><td>F22.50</td><td>20247</td></tr> <tr> <td>multimeter AMPROBE</td><td>37XR-A</td><td>211759</td></tr> <tr> <td>data logger HIOKI</td><td>8423</td><td>E182</td></tr> <tr> <td>attenuator glass package</td><td>-</td><td>E183</td></tr> <tr> <td>laser rangefinder Leica</td><td>DISTO D510</td><td>212293</td></tr> </tbody> </table>	equipment	Type	registration number	Fire room with accessories:			a) MIC	MIC912-10	21513	b) AML-F/obscuration meter for firetestroom		830325	humidity chamber VOTSCH	VC7105	20933	vibration equipment	DERRITRON SSC	21249	stopwatch CHRONO		4105/LG	impact hammer PTL	F22.50	20247	multimeter AMPROBE	37XR-A	211759	data logger HIOKI	8423	E182	attenuator glass package	-	E183	laser rangefinder Leica	DISTO D510	212293	<p>Page 9          Page 9,10          Page 10          Page 10,11          Page 11          Page 11          Page 12          Page 12,13          Page 13          Page 13,14          Page 14          Page 15            Page 15            Page 16            Page 16,17            Page 17,18            Page 19          Page 18,          + Test Report          No.0-0284E/25                  9-0044/25          Page 20</p>
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<b>SPECIFICATION OF TEST SPECIMEN</b>	<p>7 pcs of Conventional Linear detector using an optical light beam SensoMAG BM120.</p>	<p>Type test report No.          C08/25/0004          /4205,4206/          SL-2, Page 2</p>																																				



TEST RESULT (SUCH AS PASSED CRITERIA / COMPLIED TO / DURATION / OBSERVATION / ETC)	Essential characteristics	Harmonised technical specification	Performance	Type test report No. C08/25/0004 /4205,4206/ SL-2,Page 4
	EN 54-12: 2015			
	<p>Operational reliability:                      Individual alarm indication                      Connection of ancillary devices                      Manufacturer's adjustments                      On-site adjustment of response value                      Protection against the ingress of foreign bodies                      Monitoring of detachable detectors and connections                      Requirements for SW controlled detectors (when provided)</p>	4.2.1 4.2.2 4.2.3 4.2.4 4.2.5 4.2.6=N/A 4.2.7	Pass	
	<p>Nominal activation conditions / Sensitivity:                      Reproducibility                      Repeatability                      Tolerance to beam misalignment                      Rapid changes in attenuation                      Response to slowly developing fires                      Optical path length dependence                      Stray light</p>	4.3.1 4.3.2 4.3.3 4.3.4 4.3.5 4.3.6 4.3.7	Pass	
	<p>Tolerance to supply voltage:                      Variation in supply parameters</p>	4.4	Pass	
	<p>Performance parameters under fire conditions:                      Fire sensitivity                      Reproducibility</p>	4.5 ---	Pass	
	<p>Durability of nominal activation conditions / sensitivity:                      Temperature resistance                      Dry heat (operational)                      Cold (operational)                      Humidity resistance                      Damp heat, steady-state (operational)                      Damp heat, steady-state (endurance)                      Vibration resistance                      Vibration (endurance)                      Impact (operational)                      Electrical Stability                      EMC immunity (operational)                      Corrosion resistance                      Sulphur dioxide (SO<sub>2</sub>) corrosion (endurance)</p>	4.6.1.1 4.6.1.2 4.6.2.1 4.6.2.2 4.6.3.1 4.6.3.2 4.6.4 4.6.5	Pass	
PRODUCT APPLICATION GUIDELINE (END USE) (CLEARLY STATE THE END USE WITH SPECIFIC APPLICATION, SUCH AS EXACT FIRE RATING/TO BE INSTALLED IN / TO BE INSTALLED AT / TO BE CONNECTED WITH / TO BE INSTALLED WITH / ETC ALONG WITH ANY WARNINGS SUCH AS NOT TO BE USED IN / NOT TO BE INSTALLED AT / NOT TO BE INSTALLED WITH / ETC.)	<p>Any particular conditions applicable to the use of the product and technical specifications, possible hardware configurations, environment, electrical characteristics are shown in the Installation Instructions 18021451, RevA, 05/2025</p>			Installation Instructions 18021451, RevA, 05/2025



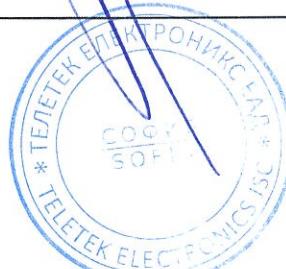


### Laboratory and Certification body details

NAME OF CERTIFICATION BODY	EVPU a.s.	NAME OF TEST FACILITY	EVPU a.s.
CERTIFICATION BODY ADDRESS / REGION (STREET / TOWN / CITY / COUNTRY)	Trecianska 19, SK-01851, Nova Dubnica, Slovak Republic	TEST FACILITY ADDRESS / REGION (STREET / TOWN / CITY / COUNTRY)	Trecianska 19, SK-01851, Nova Dubnica, Slovak Republic
WEBSITE	<a href="http://www.evpu.sk/sktc">www.evpu.sk/sktc</a>	WEBSITE	<a href="http://www.evpu.sk/sktc">www.evpu.sk/sktc</a>
TEL	+421-42-4403 519	TEL	+421-42-4403 618
EMAIL	<a href="mailto:Michal.Misiak@evpu.sk">Michal.Misiak@evpu.sk</a>	EMAIL	<a href="mailto:Dusan.Novotny@evpu.sk">Dusan.Novotny@evpu.sk</a>
ACCREDITED BY (NAME OF ACCREDITATION BODY WHICH ISSUED ACCREDITATION TO THE CERTIFICATION BODY, ALONG WITH WEBSITE)	SNAS (Slovak National Accreditation Service) <a href="http://www.snas.sk/index.php?l=en">http://www.snas.sk/index.php?l=en</a>	ACCREDITED BY (NAME OF ACCREDITATION BODY WHICH ISSUED ACCREDITATION TO THE LABORATORY, ALONG WITH WEBSITE)	SNAS (Slovak National Accreditation Service) <a href="http://www.snas.sk/index.php?l=en">http://www.snas.sk/index.php?l=en</a>
AS PER (STANDARD TO WHICH THE CERTIFICATION BODY IS ACCREDITED TO)	ISO/IEC 17065:2012	AS PER (STANDARD TO WHICH YOUR ORGANIZATION IS ACCREDITED TO)	ISO/IEC 17025: 2017
VALIDITY (EXPIRY DATE OF CERTIFICATION BODY ACCREDITATION)	09.09.2030	VALIDITY (EXPIRY DATE OF LABORATORY ACCREDITATION)	02.08.2029
REFERENCE NUMBER: (CERTIFICATION BODY ACCREDITATION REFERENCE NUMBER TO VERIFY ON THE ACCREDITOR'S WEBSITE)	P-012	REFERENCE NUMBER: (THE LABORATORY ACCREDITATION REFERENCE NUMBER TO VERIFY ON THE ACCREDITOR'S WEBSITE)	S-042
CERTIFICATION MARK			





(ENDORSEMENT) TO BE SIGNED BY MANUFACTURER			
NAME OF MANUFACTURER'S SIGNATORY	Mariela Madjarova	SIGNATURE	
EMAIL / TEL	<a href="mailto:mariela@teletek-electronics.bg">mariela@teletek-electronics.bg</a>	FACTORY OFFICIAL SEAL	
NOTES: I Undertake that all data and information provided are genuine and accurate			

(ENDORSEMENT) TO BE SIGNED BY CERTIFICATION BODY			
NAME OF CERTIFICATION BODY SIGNATORY	Michal Mišiak	SIGNATURE	
EMAIL / TEL	<a href="mailto:Michal.Misiak@evpu.sk">Michal.Misiak@evpu.sk</a> +421-42-4403 519	CERTIFICATION BODY OFFICIAL SEAL	
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**ATTACHMENTS:**

- COPY OF 'CERTIFICATE OF COMPLIANCE' ISSUED BY CERTIFICATION BODY (OLD OR NEW)