BD|SENSORS
pressure measurement

IEC-Measurement Report

Company: Max Mustermann GmbH **OC Number.:** 11XX78057

Specification of the device:

Serial number:	XXX2395475	**Start signal output:**	4,00	**Lower range:**	0,00
Type:	DMK 331	**End signal output:**	20,00	**Upper range:**	10,00
		Unit signal output:	mA	**Unit range:**	bar
Ordering code:	2915-475558-000-6234			**Pressure:**	gauge

Specification of the calibration equipement:

Ambient temperature:	23,0 °C		**Medium:**	Nitrogen
Pressure reference:	**Manufacturer:**	**ZAGF**	**Type:**	CM 2-B
	Accuracy:	**-1...10 bar-> 0,005%RDG+0,005%FS+0,01%RDG+2,50 Pa**	**Serial number:**	956217835111
Multimeter:	**Manufacturer:**	**ZAGDD**	**Type:**	34401 A
	Accuracy:	**0...100 mA-> 0,05%RDG+0,005%FS**	**Serial number:**	3587874444BXX

Measured values:

Input	Input	Output target	Output values actual								
			measured in bar						averaged		
in %	bar	mA	First cycle		Second cycle		Third cycle				rising/ falling
			rising	falling	rising	falling	rising	falling	rising	falling	
0,0	0,000	4,000	3,987	3,993	3,993	3,994	3,994	3,992	3,991	3,993	3,992
10,0	1,000	5,600	5,592	5,597	5,596	5,599	5,599	5,601	5,596	5,599	5,598
20,0	2,000	7,200	7,199	7,203	7,202	7,206	7,205	7,206	7,202	7,205	7,203
30,0	3,000	8,800	8,805	8,809	8,806	8,811	8,808	8,812	8,807	8,811	8,809
40,0	4,000	10,400	10,388	10,396	10,393	10,396	10,393	10,397	10,391	10,396	10,394
50,0	5,000	12,000	11,993	11,998	11,995	12,000	11,998	12,000	11,995	11,999	11,997
60,0	6,000	13,600	13,592	13,597	13,596	13,596	13,596	13,598	13,595	13,597	13,596
70,0	7,000	15,200	15,189	15,195	15,194	15,196	15,194	15,196	15,192	15,196	15,194
80,0	8,000	16,800	16,791	16,794	16,794	16,796	16,793	16,798	16,793	16,796	16,794
90,0	9,000	18,400	18,394	18,394	18,394	18,395	18,396	18,396	18,395	18,395	18,395
100,0	10,000	20,000	20,002	20,002	20,004	20,004	20,006	20,006	20,004	20,004	20,004

Evaluation according to IEC 61298-2 **Abweichung ≤ ± :** **Target** **0,50** **Actual** **0,07**

MUSTER / SAMPLE

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BD|SENSORS GmbH
BD-Sensors-Str. 1
D-95199 Thierstein
Telefon +49 (0) 9235 / 9811-0
Telefax +49 (0) 9235 / 9811-11
www.bdsensors.de
info@bdsensors.de