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2.0049

P.O.Box 2 Hanzhong, 723007
 Shaanxi, China
 Tel: 86-916-2386110, 2386112
 FAX: 86-916-2386275



ZEMIC

CALIBRATION CERTIFICATE

NOTE.

WE CERTIFY THAT THE PRODUCT DESCRIBED BELOW CONFORMS TO ALL APPLICABLE SPECIFICATIONS. CALIBRATION IS TRACEABLE TO THE NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY. CALIBRATION IS PERFORMED AT HANZHONG, SHAANXI, WHERE THE LOCAL ACCELERATION OF GRAVITY IS 9.7934 m/s^2 .

Full-encapsulated Welding Load Cell

General Data

Model: BM8H-C3-5.0t-6B6-A1

Serial Number: VA061509

Material: STAINLESS STEEL

Capacity: 5.0 t

Excitation: 5~12 VDC(NOM). 18 VDC(MAX)

Insul Res: >5000MΩ(50 VDC)

Calibration Data

Full Scale Output: 2.0046 mV/V

Combined Error: $\pm 0.02\%$ of FSNon-Repeatability: $\pm 0.01\%$ of FSZero Balance: $\pm 1.0\%$ of FSInput Resistance: 1000 ± 10 OhmOutput Resistance: 1000 ± 10 OhmTemp.Sens.Zero: $\pm 0.02\%$ FS/ 10°C Comp.Temp.Range: $-10^\circ\text{C} \sim +40^\circ\text{C}$ Temp.Sens.Output: $\pm 0.015\%$ FS/ 10°C Operating Temp: $-35^\circ\text{C} \sim +65^\circ\text{C}$ Non-linearity: $\pm 0.01\%$ of FS Hysteresis: $\pm 0.02\%$ of FS

Cable Length: 6 m

Safe Overload(150%): 7.5 t

Ultimate Overload(300%): 15 t

Class: C3

NMI: TC8104 rev.2

ELECTRICAL CONNECTIONS-COMPRESSION POSITIVE

GREEN --- +EXC

BLACK --- -EXC

WHITE --- +SIGNAL

RED --- -SIGNAL

YELLOW --- +SENSE

BLUE --- -SENSE

BARE --- SHIELD

CAUTION: Cutting cable will affect the Full Scale Output calibration.

QA Manager--Zhigang Zhang

Specifications are subject to change without notice.

DATE: 07-02-2019



All units are produced in a Quality System that meets the requirements of ISO-9001, and the certificate number is 00817Q30215R7L.



VZ168489



P.O.Box 2 Hanzhong, 723007
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CALIBRATION CERTIFICATE

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Full-encapsulated Welding Load Cell

General Data

Model: BM8H-C3-5.0t-6B6-A1

Serial Number: VZ168489

Material: STAINLESS STEEL

Capacity: 5.0 t

Excitation: 5~12 VDC(NOM). 18 VDC(MAX)

Insul Res: >5000M Ω (50 VDC)

Calibration Data

Full Scale Output:	2.0035 mV/V	Combined Error:	$\pm 0.02\%$ of FS
Non-Repeatability:	$\pm 0.01\%$ of FS	Zero Balance:	$\pm 1.0\%$ of FS
Input Resistance:	1000 ± 10 Ohm	Output Resistance:	1000 ± 10 Ohm
Temp. Sens. Zero:	$\pm 0.02\%$ FS/ 10°C	Comp. Temp. Range:	$-10^\circ\text{C} \sim +40^\circ\text{C}$
Temp. Sens. Output:	$\pm 0.015\%$ FS/ 10°C	Operating Temp:	$-35^\circ\text{C} \sim +65^\circ\text{C}$
Non-linearity:	$\pm 0.017\%$ of FS	Hysteresis:	$\pm 0.02\%$ of FS
Cable Length:	6 m		
Safe Overload(150%):	7.5 t		
Ultimate Overload(300%):	15 t		
Class:	C3		
NMi:	TC8104 rev.2		

ELECTRICAL CONNECTIONS-COMPRESSION POSITIVE

GREEN --- +EXC

BLACK --- -EXC

WHITE --- +SIGNAL

RED --- -SIGNAL

YELLOW --- +SENSE

BLUE --- -SENSE

BARE --- SHIELD

CAUTION: Cutting cable will affect the Full Scale Output calibration.

QA Manager--Zhigang Zhang

Specifications are subject to change without notice.

DATE: 10-23-2019



All units are produced in a Quality System that meets the requirements of ISO-9001, and the certificate number is 00817Q30215R7L.

VA061515



P.O.Box 2 Hanzhong, 723007
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CALIBRATION CERTIFICATE

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Full-encapsulated Welding Load Cell

General Data

Model: BM8H-C3-5.0t-6B6-A1

Serial Number: VA061515

Material: STAINLESS STEEL

Capacity: 5.0 t

Excitation: 5~12 VDC(NOM). 18 VDC(MAX)

Insul Res: >5000MΩ(50 VDC)

Calibration Data

Full Scale Output:	2.0079	mV/V	Combined Error:	±0.02%	of FS
Non-Repeatability:	±0.01	% of FS	Zero Balance:	±1.0	% of FS
Input Resistance:	1000±10	Ohm	Output Resistance:	1000±10	Ohm
Temp. Sens. Zero:	±0.02	%FS/10°C	Comp. Temp. Range:	-10 °C ~ +40 °C	
Temp. Sens. Output:	±0.015	%FS/10°C	Operating Temp:	-35 °C ~ +65 °C	
Non-linearity:	±0.017	% of FS	Hysteresis:	±0.02	% of FS
Cable Length:	6	m			
Safe Overload(150%):	7.5	t			
Ultimate Overload(300%):	15	t			
Class:	C3				
NMi:	TC8104	rev.2			

ELECTRICAL CONNECTIONS-COMPRESSION POSITIVE

GREEN --- +EXC

BLACK --- -EXC

WHITE --- +SIGNAL

RED --- -SIGNAL

YELLOW --- +SENSE

BLUE --- -SENSE

BARE --- SHIELD

CAUTION: Cutting cable will affect the Full Scale Output calibration.

QA Manager--Zhigang Zhang

Specifications are subject to change without notice.

DATE: 07-02-2019



All units are produced in a Quality System that meets the requirements of ISO-9001, and the certificate number is 00817Q30215R7L.

168467

C2

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CALIBRATION CERTIFICATE

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Full-encapsulated Welding Load Cell

General Data

Model: BM8H-C3-5.0t-6B6-A1

Serial Number: VZ168467

Material: STAINLESS STEEL

Capacity: 5.0 t

Excitation: 5~12 VDC(NOM). 18 VDC(MAX)

Insul Res: >5000M Ω (50 VDC)

Calibration Data

Full Scale Output: 2.0037 mV/V

Combined Error: $\pm 0.02\%$ of FS

Non-Repeatability: $\pm 0.01\%$ of FS

Zero Balance: $\pm 1.0\%$ of FS

Input Resistance: 1000 ± 10 Ohm

Output Resistance: 1000 ± 10 Ohm

Temp.Sens.Zero: ± 0.02 %FS/10 $^{\circ}\text{C}$

Temp.Sens.Output: ± 0.015 %FS/10 $^{\circ}\text{C}$

Non-linearity: ± 0.017 % of FS

Cable Length: 6 m

Safe Overload(150%): 7.5 t

Ultimate Overload(300%): 15 t

Class: C3

NMI: TC8104 rev.2

Comp.Temp.Range: -10 $^{\circ}\text{C}$ ~ +40 $^{\circ}\text{C}$

Operating Temp: -35 $^{\circ}\text{C}$ ~ +65 $^{\circ}\text{C}$

Hysteresis: ± 0.02 % of FS

ELECTRICAL CONNECTIONS-COMPRESSION POSITIVE

GREEN --- +EXC

BLACK --- -EXC

WHITE --- +SIGNAL

RED --- -SIGNAL

YELLOW --- +SENSE

BLUE --- -SENSE

BARE --- SHIELD

CAUTION: Cutting cable will affect the Full Scale Output calibration.

QA Manager--Zhigang Zhang

Specifications are subject to change without notice.

DATE: 10-28-2019



All units are produced in a Quality System that meets the requirements of ISO-9001, and the certificate number is 00617Q30215R7L.

