



# QB series

TUNING FORK SCALE

## SERVICE MANUAL



### **IMPORTANT**

- Do not carry out installation, operation, service, or maintenance until thoroughly understanding the contents of this manual.
- Keep this manual available at all times for installation, operation, service, and maintenance.

# ■ TABLE OF CONTENTS

■ <b>1</b>	<b>MAIN COMPONENTS</b> .....	1
1.1	Round Pan Type .....	1
1.2	Square Pan Type .....	2
1.3	Square Platter Type .....	3
■ <b>2</b>	<b>ELECTRICAL CONFIGURATION</b> .....	4
2.1	Block Diagram .....	4
2.2	Overall Wiring Diagram .....	5
■ <b>3</b>	<b>TROUBLESHOOTING</b> .....	6
3.1	Inspection Procedure .....	6
3.2	Error Diagnosis Table .....	7
3.3	Initial Inspection .....	9
3.4	How To Remove/Attach The Case .....	9
3.5	Electrical Inspection (CGD Board Check) .....	11
3.6	Tuning Fork Assembly and Oscillator Board Check .....	12
■ <b>4</b>	<b>ADJUSTMENT AND SETTINGS</b> .....	13
4.1	Four-Corner Adjustment .....	13
4.2	Overload Stopper (Limiter) Adjustment .....	14
4.3	Coefficient Compensation and Linearity Adjustment ...	16
4.4	Coefficient Data Key-In Procedure .....	17
4.5	Model Number Setting .....	19
4.6	Linearity Adjustment Procedure .....	20
4.7	Export Specification Setting .....	22
4.8	Span Adjustment .....	23
■ <b>5</b>	<b>REPLACEMENT PROCEDURES</b> .....	25
5.1	Mechanical Unit Replacement .....	25
5.2	CGD Board Replacement .....	28
■ <b>6</b>	<b>OPTION ATTACHMENT</b> .....	30
6.1	CG Battery Attachment Procedure .....	30
6.2	CGIJ Board Assembly Attachment Procedure .....	31
6.3	CG Buzzer Output Attachment Procedure .....	32

6.4	CG Contact Output Attachment Procedure .....	34
6.5	CG RS232C Attachment Procedure .....	36
■ 7	CIRCUIT DIAGRAMS .....	37
■ 8	PARTS LIST .....	43

This is a “Table of Contents preview” for quality assurance

The full manual can be purchased from our store:

[https://the-checkout-tech.com/manuals/ishida/QB service manual.html](https://the-checkout-tech.com/manuals/ishida/QB%20service%20manual.html)

And our free Online Keysheet maker:

<https://the-checkout-tech.com/Cash-Register-Keysheet-Creator/>

[HTTPS://THE-CHECKOUT-TECH.COM](https://THE-CHECKOUT-TECH.COM)