PD_2 2004.12.7 3:18 PM페이지 1

ECR Interface Scale

PD-Ⅱ

OWNER'S MANUAL



9002-PD2-0033-0
2004. 06

PD_2 2004.12.7 3:18 PM페이지 3

CONTENTS

PRECAUTIONS 4
PREFACE 6
NAMES AND FUNCTIONS 6
OPERATIONS 8
1. General Weighing 8
2. Weighing With Tare 9
3. ECR Interface 9
ERROR MESSAGE 11
SPECIFICATIONS 11

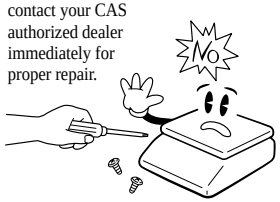
PD_2 2004.12.7 3:18 PM페이지 5

PRECAUTIONS

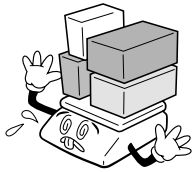
To ensure that you get the most from your scale, please follow these instruction.

⚠ Warning

Do not disassemble the scale.
When any damage or defect occurs, contact your CAS authorized dealer immediately for proper repair.



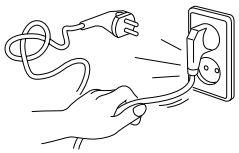
Do not overload beyond the maximum weight limit.



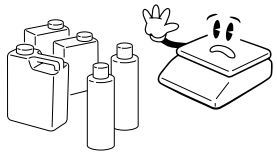
Scale must be grounded to minimize electricity static. This will minimize defect or electric shock.



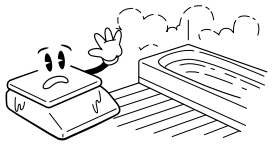
Do not pull the plug by its cord when unplugging. Damaged cord could cause electric shock or fire.



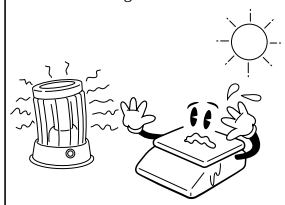
To prevent from fire occurring, Do not place or use the scale near flammable or corrosive gas.



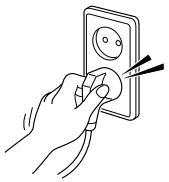
To reduce electric shock or incorrect reading, Do not spill water on the scale or place it in humid condition.



Avoid placing the scale near heater or in direct sunlight.



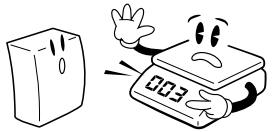
Insert plug firmly to wall outlet to prevent electric shock.



Make sure to plug your scale into the proper power outlet. For maximum performance, plug into a power outlet 30 minutes before the usage for warm up.

⚠ Attention

For consistent and accurate reading, maintain periodical check by your CAS authorized dealer.



Avoid sudden shock to the scale. Internal mechanism could be damaged.



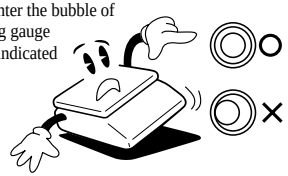
Grab on the bottom of the scale when moving. Do not hold by the platter.



Place the scale on firm and temperature consistent environment.



If the scale is not properly level, please adjust the 4 legsat the bottom of the scale (turn legs clockwise or counterclockwise) so as to center the bubble of the leveling gauge inside the indicated circle.



Keep the scale away from other electromagnetic generating devices. This may interfere with accurate reading.

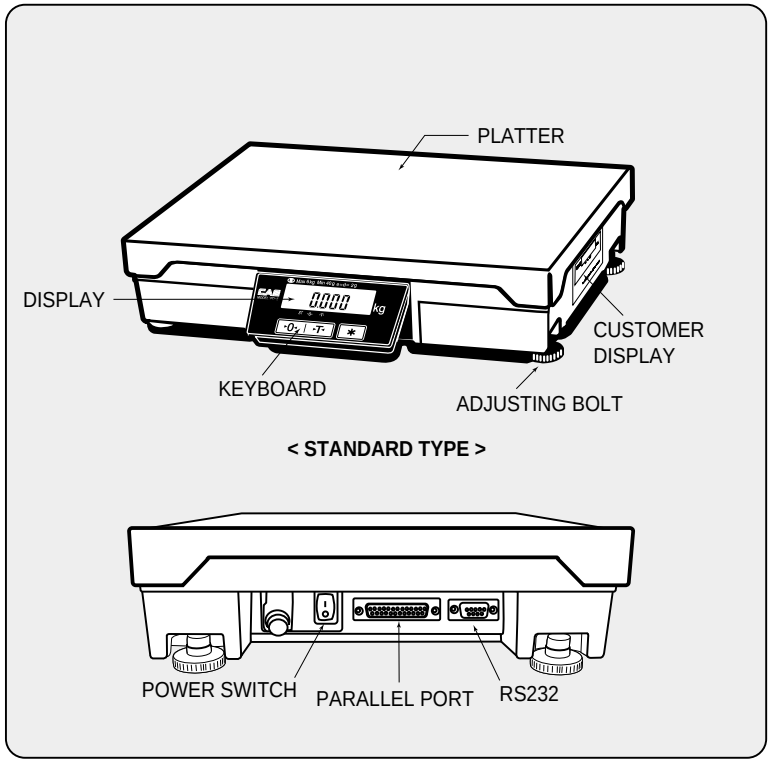


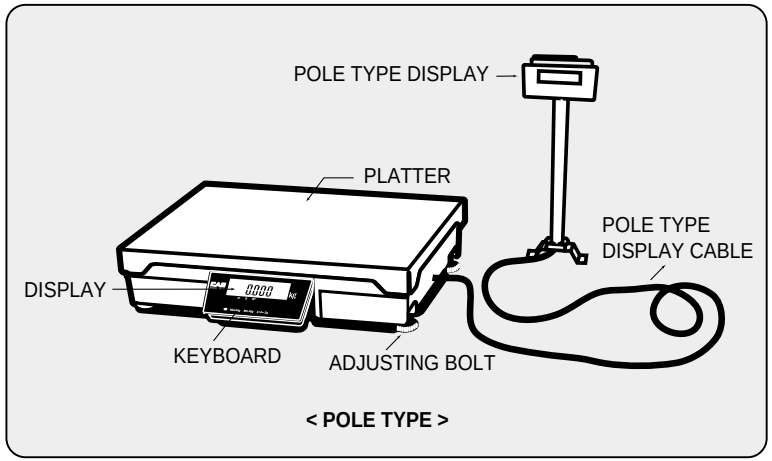
PREFACE

Thank you for purchasing our CAS PD-Ⅱ.
These series have been designed with CAS reliability, under rigid quality control and with outstanding performance. Your specialty departments can enjoy these high quality reliable CAS products.
We believe that your needs will be satisfied and you will have proper reliability.
This manual will help you with proper operation and care of the PD-Ⅱ.
Please keep it handy for future reference.

NAMES AND FUNCTIONS

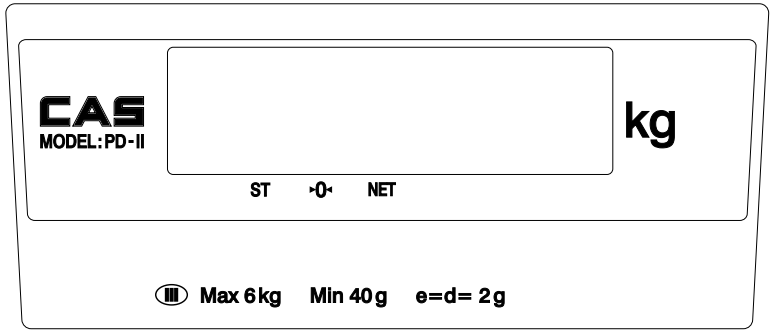
OVERALL VIEW





DISPLAY





■ KEY FUNCTIONS

KEY	DESCRIPTION
·0·	Used to set the zero point to 0.00 or 0.000. Used as ENTER key in Setup Mode.
·T·	Used to enter a tare weight and used to cancel a tare weight. Used as ESC key in Setup Mode.
*	No function

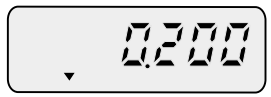
OPERATIONS

1. General Weighing

- The display indicates if the scale is at zero or if there is a tare entered into the scale by way of a ZERO and NET.
- When the display is not zero though there is nothing on the platter, press the ·0· key.



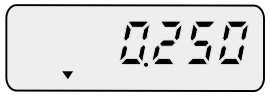
① Turn on the power. The display shows 0.00 or 0.000. Make sure that ST(Stable) and ZERO lamps are On.



② Place an item on the platter. When the ST(Stable) lamp is On, read the weight.

2. Weighing with Tare

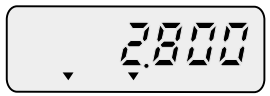
- There is the weight of container being used for a commodity.
- The ·T· key subtracts the weight of the container.



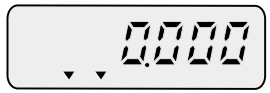
① Place the container on the platter.



② Press the ·T· key, NET lamp is On.



③ Place an item in the container.



④ To release the TARE function, remove an item and container from the platter and press the ·T· key.

3. ECR Interface

- PD-II can interface with most ECRs by selecting TYPE 0 to TYPE 6.

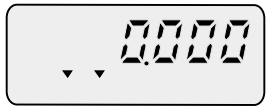
ECR Type Selection



① Make sure that power is OFF. While pressing ·T· key, turn on the power. "EcrSEt" is shown on the disply. And then current ECR type is shown on the display as "tYPE-2".



② If you select ECR type 5, press the *key until the display shows "tYPE-5". (Refer to Table 1.)



③ To save current ECR type, press the ‣0‣key.

Table 1.

	MENU	Description	
		4-Bit Parallel	RS-232 Serial
✻key ↓	ECR-TYPE 0	TEC 4 Digit 4Bit Parallel (New kg)	Most POS, ECRs and Some TEC POS System
	ECR-TYPE 1	TEC 4 Digit 4Bit Parallel (Old kg)	
	ECR-TYPE 2	Universal 4 Bit Parallel	Sharp ER-Axxx, New Sanyo ECRs using RS-232 others
	ECR-TYPE 3		Most POS System
	ECR-TYPE 4		Samsung, CRS, NCR2170 and other ECRs
	ECR-TYPE 5		NCI General. Most POS Software
	ECR-TYPE 6		Samsung ER-670

※ Serial Communication
→ 9600 Baud Rate, 7 Date bit, Even Parity. 1 Stop bit

ERROR MESSAGE

ERROR	REASONS	SOLUTIONS
Err	Failure of A/D Module	Call your CAS dealer
Err 1	An error of initial zero range	Set the platter empty Make sure there is a platter on the scale

SPECIFICATIONS

MODEL		PDⅡ - 6kg	PDⅡ - 15kg	PDⅡ - 30kg	PDⅡ - 60kg
DIVISION	SINGLE INTERVAL	2g	5g	10g	20g
	DUAL INTERVAL	3kg/1g 6kg/2g	6kg/2g 15kg/5g	15kg/5g 30kg/10g	30kg/10g 60kg/20g
INTERNAL RESOLUTION		1/90,000			
EXTERNAL RESOLUTION		1/3,000 SINGLE or DUAL			
DISPLAY		VFD 6 DIGITS			
DISPLAY LAMP		ST(STABLE), ZERO, NET			
INTERFACE		RS - 232C, 4-Bit Parallel Communication. (ECR Interface)			
PRODUCT SIZE		380(W) × 280(D) × 79(H) [mm]			
PLATTER SIZE		380(W) × 280(D) [mm]			
PRODUCT WEIGHT		6.7kg			
TEMPERATURE RANGE		-10℃ ~ +40℃			
POWER SUPPLY		AC 230V /50Hz			

PD_2 2004.12.7 3:18 PM페이지 13

MEMO

MEMO

PD_2 2004.12.7 3:18 PM페이지 15

MEMO