

Commandor-Tiger



USER Manual

COMMANDOR Tiger

Specification

Display	8 Digits Red Seven Segment LED
Status Lamp	4 Status Red 3 mm. LED Stable, Zero, Gross and Net
Power Supply	12 VDC 800mA
Signal Input	Up to 25 mV
Excitation Voltage	5 +/- 0.5 VDC
Internal Resolution	1 / 16,777,216
Display increment	50,000 Levels (Approx.)
Loadcell	Up to 6 x 350 Ohm
Calibration Method	Software, long-term storage in EEPROM
Decimal point	0 – 4 Digits
Increment Step	1, 2, 5, 10, 20
Keyboard	Func, Mode, Clear, Tare, Zero, Print
Communication	2 x RS-232C Stream Output or Demand Mode Baud rate 1200,2400,4800,9600,19200

Keyboard function

KEY	OPERATION	SETTING
FUNC / SKIP	Setup mode	Skip to next item
MODE / ENTER	Setup mode	Confirm selection
CLEAR / UP	Clear Tare and Accumulate	Move up or Increte
TARE / DOWN	Set Tare weight	Move down or decrete
ZERO / LEFT	Set Zero weight	Move left or skip back
PRINT / RIGHT	Print in demand mode	Move right or skip forward

Setup variable mode

Press key [FUNC] and [MODE]

Setup variable and Calibration

Short **CAL. Jumper** before Press key [FUNC] and [MODE]

Variable and Calibration setting table

FUNCTION	DESCRIPTION	DEFAULT
AdR	Set unit address (0-255)	0
SER	Serial Com:1	3
bAU	Baudrate (1200,2400,4800,9600,19200)	1200
PAR	Parity (0=8,None,1 1=7,Even,1)	1
SR2	Serial Com:2 (1=1200,2=2400,3=4800,4=9600)	1
OUt	Output feature (N/A)	0
RtC	Real Time Clock (N/A)	0
FIL	Weight Filter (0-4)	1
SPd	ADC read Speed (0-4)	4
FRZ	Weight Freezing (N/A)	0
SAF	Power Safe Mode (0=Disable, 1=Enable)	0
bRt	Display Brightness (0-4)	3
PRN	Print Interlock Weight	10
Valid when Short CAL.Jumper		
dEC	Decimal point	0
CAP	Capacity	1000
StP	Division Step (1,2,5,10,20)	1
AZR	Auto Zero Maintenance	1
ZER	% Zero limit (0,1,2,5,10)	10
POZ	Power On Zero (0=Disable, 1=Enable)	1
Stl	Still Weight or Statble level	3
GAN	ADC Gain (0-4)	1
bt1	Lock button No.1 (FUNC) 0=Unlock,1=Lock	0
bt2	Lock button No.2 (MODE) 0=Unlock,1=Lock	0
bt3	Lock button No.3 (CLEAR) 0=Unlock,1=Lock	0
bt4	Lock button No.4 (TARE) 0=Unlock,1=Lock	0
bt5	Lock button No.5 (ZERO) 0=Unlock,1=Lock	0
bt6	Lock button No.6 (PRINT) 0=Unlock,1=Lock	0
RFP	RF Protect feature (Option)	0
CAL-0	Calibrate Zero	-
CAL-1	Calibrate Span	-
CAL-2	Calibrate Zero and Span	-
CAL-3	Calibrate Manual Setting	-
AdC-dISP	Display ADC value	-
SAVE	Save setting (Press [ENTER] to save)	-

CONNECTOR PINS

LOADCELL	
1	Exc+
2	Sen+
3	Gnd
4	Sen-
5	Exc-
6	-
7	Sig+
8	Sig-
9	-

COM:1	
1	-
2	Rx
3	Tx
4	-
5	Gnd
6	-
7	-
8	-
9	-

COM:2	
1	-
2	Rx
3	Tx
4	-
5	Gnd
6	-
7	-
8	-
9	-

Serial Output Stream protocol

STX + WEIGHT + STATUS + CR + LF

STX = CHR(2)

WEIGHT = Numeric 8 digits

STATUS = ' ':Stable , 'U':Movement

CR = CHR(13)

LF = CHR(10)