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NICOL SCALES & MEASUREMENT

AN ISO/IEC 17025:2017
ACCREDITED CALIBRATION COMPANY

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NICOL SCALES & MEASUREMENT IS AN ISO ACCREDITED CALIBRATION COMPANY THAT HAS PROVIDED CALIBRATION, REPAIR AND SALES OF ALL TYPES OF WEIGHING AND MEASUREMENT PRODUCTS SINCE 1931.

SCT-2200

Quick Setup Guide

Key Functions

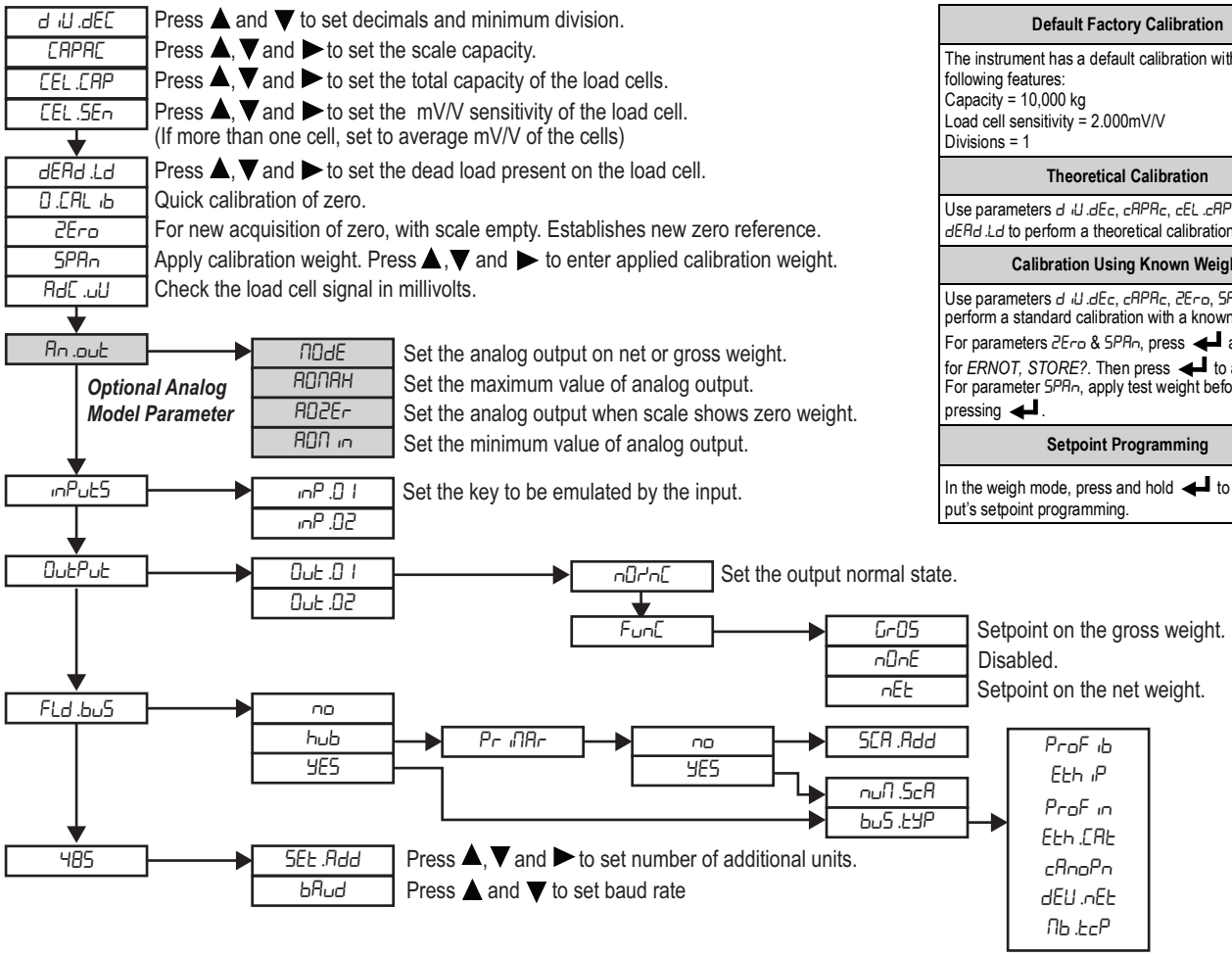
Key	Function
▼ ZERO	In setup: scroll forward through parameters In numeric input: decreases digit to be modified
▲ TARE	In setup: scroll back through the functions In numeric input: increases digit to be modified

Key	Function
▶ MODE	In setup: quickly position the first step of a menu In numeric input: selects digit to be modified, from left to right
↵ PRINT	In setup: enter into a parameter or to confirm a setting In numeric input: confirms the entry made

Key	Function
C ON/OFF	Turn the instrument on/off In setup: exit a step without confirming the setting In numeric input: clears the present value

Setup Menu

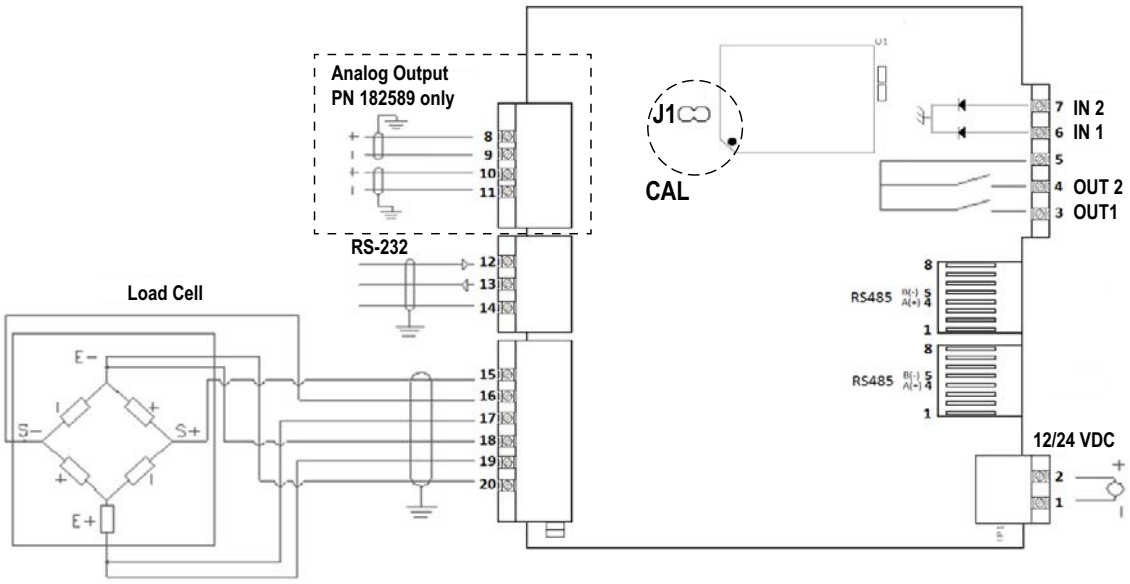
1. Press the ON/OFF key (C) to turn the instrument on.
2. Press the mode key (▶) when the firmware version displays to enter the setup menu.
3. Press the print key (↵) in the setup menu to view/select the parameter choices.



Default Factory Calibration
The instrument has a default calibration with the following features: Capacity = 10,000 kg Load cell sensitivity = 2.000mV/V Divisions = 1
Theoretical Calibration
Use parameters *d iU.dEC*, *CAPAC*, *CEL.CAP*, *CEL.SEn*, *dEAd.Ld* to perform a theoretical calibration.
Calibration Using Known Weight
Use parameters *d iU.dEC*, *CAPAC*, *2Ero*, *SPAn* to perform a standard calibration with a known weight. For parameters *2Ero* & *SPAn*, press ↵ and wait for *ERNOT, STORE?*. Then press ↵ to accept. For parameter *SPAn*, apply test weight before pressing ↵.
Setpoint Programming
In the weigh mode, press and hold ↵ to access output's setpoint programming.

Note ***When settings are complete press C until the indicator displays SAUEP. Press ↵ to save set up and return to weigh mode. Pressing any other key exits the setup and discards changes.***

Wiring Diagram



Pin Number	Label	Description
VE 12-24 VDC Power Supply		
1	GND	0 VDC (GND)
2	+VDC	+12-24 VDC
Inputs and Outputs		
Outputs (48 VAC or 60 VDC, 150 mA max)		
3	OUT1	Output 1
4	OUT2	Output 2
5	COMOUT	Common Output
Optoisolated Inputs Positive Logic (12-24 VDC, 5-20 mA max)		
6	IN1	Input 1
7	IN2	Input 2
	Connect input common to ground	

Pin Number	Label	Description
Analog Output (PN 182589 only)		
Voltage		
8	V+	+10 V
9	V-	0 V (GND)
Current		
10	I+	+20 mA
11	I-	-0 mA (GND)
NOTE: ***Max. resistance on output current: 350 Ω*** ***Min. resistance on output voltage: 10 kΩ***		

Pin Number	Label	Description
Serial Port		
RS-232		
12	TX	Transmission
13	RX	Reception
14	GND	Ground
RS-485		
RJ45 Plug-IN/OUT		485 Line
RJ45 Plug-IN/OUT		485 Line
Load Cell Connections		
15	SIG+	Signal +
16	SIG-	Signal -
17	SEN+	Sense +
18	SEN-	Sense -
19	EXC+	Excitation +
20	EXC-	Excitation -

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