TECPEL®
Propel Quality Measurement.

Digital Numeric Display

User Manual

Setup instructions

1. Buttons Each measurement item has three buttons: [FUN], [SET] and [ADJ].

2. Restore factory settings With power disconnected, hold [FUN] + [SET]. Reconnect power while holding both buttons. Release them when F.F.F appears to restore the factory settings.

3. Enter setup mode Press and hold [FUN] for 3 seconds. The LED shows d1 for the first display row. Press [FUN] again for d2 (the second row), and continue as applicable to the number of display rows.

Press [SET] to enter the selected item. Use [ADJ] to adjust the value and [SET] to select the digit.

Code	Function	Parameter range <default>
HS	Input signal upper value (e.g., 100°C)	-199.. to 999..
LS	Input signal lower value (e.g., 0°C)	-199.. to 999..
HH	High alarm: second-stage trigger	-199.. to 999..
HI	High alarm: first-stage trigger	-199.. to 999..
LO	Low alarm: first-stage trigger	-199.. to 999..
LL	Low alarm: second-stage trigger	-199.. to 999..
dH	Upper display limit: caps the displayed value	-199.. to 999..
dL	Lower display limit: sets the display minimum	-199.. to 999..
Ld	Zero suppression	-199.. to 999..
oH	Retransmission output: upper-end trim	-199.. to 999..
oL	Retransmission output: lower-end trim	-199.. to 999..
d9	Decimal point position	0 to 5 (highest digit position) <2>
dt	Sampling count: higher settings slow changes in the displayed value	0 to 9 = 5 to 45 samples <0>
oF	Measurement offset compensation	-199.. to 999.. <0>
bU	Communication baud rate	0=1200, 1=2400, 2=4800, 3=9600, 4=19200
Id	Communication address	0 to 99
Hd	Peak hold (maximum value)	0=Disabled, 1=Enabled
Ht	Release delay	0 to 9 seconds (effective only if Hd=1)
br	Flashing numeric warning	0=Off, 1=On
dn	Number of display digits	2 to 5
CL	Leading-zero suppression (01.6 -> 1.6)	0=Keep (00.0), 1=Suppress (0.0) <0>

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Setup parameters (continued)

Code	Function	Parameter range <default>
CS	Display increment	0 to 10 (e.g., 2: the LED value changes in steps of 2)
PC	Communication mode	0=Passive, 1=Active, 2=Response <2>
PA	Communication protocol selection	0=Master/slave, 1=Modbus RTU, 2=Modbus TCP, 3=TECPEL format

Explanations and notes

Retransmission output endpoint trim
Use the oH and oL parameters to fine-tune the output signal at its upper and lower endpoints.

Display limits
Use dH and dL to restrict the display range and avoid displaying meaningless returned data. For example, the maximum humidity display can be limited to 100 %RH.