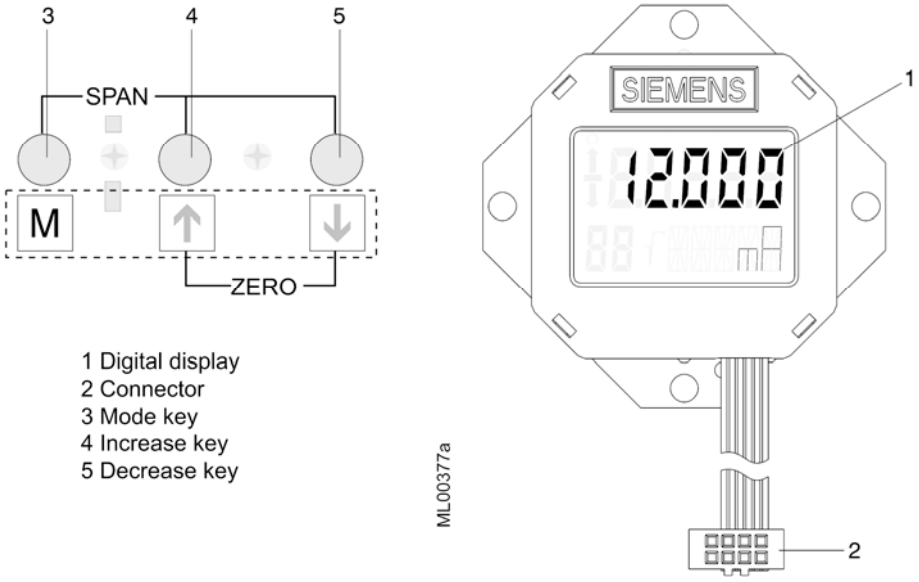
6.2 LOCAL OPERATION WITH THE MAGNETIC PUSHBUTTONS

The transmitter can be configured locally using the magnetic pushbuttons, shown below. Table 6-2 shows the operating modes and configuration parameters accessed by pressing the M pushbutton. These configuration parameters are also available using the HART Communicator.

Note

A selected mode will time out after about 2 minutes of pushbutton inactivity and the displayed parameter value will be stored.

A polling address of zero (0) must be stored for the magnetic pushbuttons to function. The magnetic pushbuttons will be disabled if a polling address of 1-15 has been stored, as indicated by a C in the lower left quadrant of the display.



1 Digital display
2 Connector
3 Mode key
4 Increase key
5 Decrease key

TABLE 6-2 Parameters Accessible Using the Magnetic Pushbuttons

Configuration Parameter	Mode M [1]	Increase/Decrease Pushbuttons (Keys) ↑ Increase	↓ Decrease	↑ and ↓ [3]	Description	See Section
Measured value	---	---	---	---	Output current in mA or % or input pressure in selected engineering units	6.2.10
Error display	---	---	---	---	Error	6.2.7
Zero	2	Increase current	Decrease current	Set to 4 mA	Output current in mA	6.2.2
Full scale	3	Increase current	Decrease current	Set to 20 mA	Output current in mA	6.2.2
Electric damping	4	Increase damping	Decrease damping	---	Range 0.0 to 100.0 seconds	6.2.3
Zero "blind setting"	5	Increase pressure	Decrease pressure	Set to start of scale 0	Zero in the selected engineering unit	6.2.4
Full scale "blind setting"	6	Increase pressure	Decrease pressure	Set to upper measuring limit	Full scale in the selected engineering unit	6.2.4
Zero for position correction [2]	7	---	---	Press both pushbuttons simultaneously	Re-zero when oriented from vertical	6.2.5
Output Current	8	Increase current	Decrease current	Switch on/off	Constant output current	6.2.6
Failsafe output current	9	---	---	Select	Failsafe output current; limits set by user	6.2.7
Pushbutton enable/disable	10	---	---	Select	0 = None LA = All disabled LO = All disabled except zero LS = All disabled except zero and full scale L = Write protect; HART operation disabled	6.2.8
Characteristic, DP only	11	---	---	Select	Lin = linear Srlin = square root (linear to switch (i.e., application) point) Sroff = square root (switched off up to switch point) Srli2 = square root (slowly increasing up to 0.6%, then linear up to switch point)	6.2.9
Set square root switch point	12	Increase	Decrease	---	Parameter range 5 to 15% of flow	6.2.9
Measured value display	13	---	---	Select	Unit of pressure (input value) or output current in either mA or 0-100%	6.2.10
Unit of pressure	14	---	---	Select	See Figure 6-3 for engineering units	6.2.11

Notes:
1. Press the M pushbutton to change the mode.
2. IMPORTANT: Absolute pressure transmitters - the zero is established in a vacuum! A zero adjustment to a ventilated absolute transmitter will cause an error!
3. Press both pushbuttons simultaneously.
DP = differential pressure