

### Option S187C - PMO 4150 (gear ratio)

With option S187C the measurement type "absolute difference" (function 0-measurement types 7) a gear ratio factor is included.

Absolute difference = (A-B) / gear ratio.

If parameter blocking is activated on the device, only measurement types 1, 2 and 7 of function 0 can be selected via the scroll key.

The gear ratio is set with the configuration function 9 (eight gear ratios are selectable).



0 =	1
1 =	13
2 =	25
3 =	35
4 =	43
5 =	45
6 =	55
7 =	56
8 =	71

### Standstill monitoring

If no pulses are received on channel A or channel B for five seconds, relay 1 will be set. It happens regardless which function (deactivated, MIN, MAX) has been programmed for relay 1.

### Assignment of the analog output

This functionality has been added to current version C of option S187. The changes only affect devices with an analogue output. In function 6, an assignment to channel A, channel B or difference can be made.

### Function 6 current-voltage output



initial value (relative to the standard measurement mode)  
-19999..99999 floating point



end value (referred to the standard measurement mode)  
-19999..99999 floating point



0= 0...20 mA/ 0...10 V output  
1= 4...20 mA/2...10 V output

0= approx. 30 ms measurement time / refresh time  
1= 100 ms measurement time / refresh time

2= 100 ms measurement time with a digital 1 pole filter downstream, T63% = 600 ms,  
refresh time: 2.6 ms

Can only be set with option S187C!

0= analogue output referred to standard measurement mode(difference)

1= analogue output related to channel A

2= analogue output related to channel B