LoadCell_Simulation(FC) [FC2]

LoadCell_Simulation(FC) Properties							
General							
Name	LoadCell_Simulation(FC)	**Number**	2	**Type**	FC	**Language**	LAD
Numbering	Automatic						
Information							
Title		**Author**		**Comment**		**Family**	
Version	0.1	**User-defined ID**					

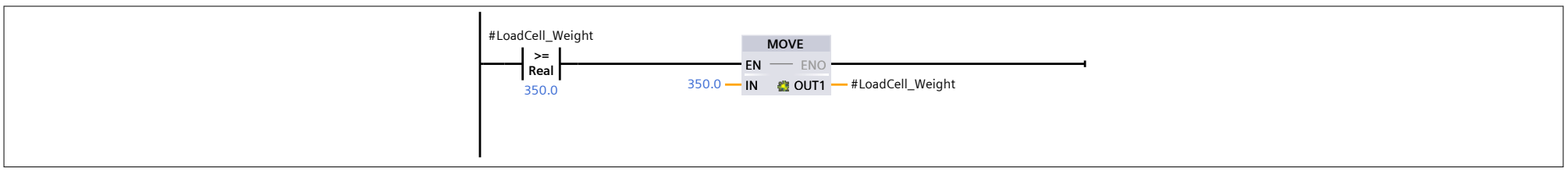
Name	Data type	Default value	Comment
▼ Input			
Max_tph	Real		
MotorSpeed%	Real		
SetPoint	Real		
Output			
▼ InOut			
LoadCell_Weight	Real		
▼ Temp			
Measured_Flow	Real		
Measured_Outflow	Real		
CurrentMeasured_Outflow	Real		
Constant			
▼ Return			
LoadCell_Simulation(FC)	Void		

Network 1: Max_tph is the maximum load a belt can carry in tons per hour.

The 0.0000278 is just 0.1sec(Cyclic interrup calling the function) divided by 3600 seconds(1 hour)
2 Measured_Flows are the inflow and outflow of the belt. eg if inflow is 75t/h outflow is also 75t/h

```
0001 IF #SetPoint <> 0 THEN
0002     #Measured_Outflow := #SetPoint - 5;
0003     #CurrentMeasured_Outflow := 0.000278 * #Measured_Outflow;
0004     #Measured_Flow := 0.000278 * (#Max_tph / 100) * #"MotorSpeed%";
0005     #LoadCell_Weight := #LoadCell_Weight + #Measured_Flow - #CurrentMeasured_Outflow;
0006 END_IF;
0007
```

Network 2:



Network 3: