PLC – Loadcell module

**Q** What is the way to calibrate Loadcell module?

Compare resolution of Loadcell and Loadcell module.

 Compare resolution of Loadcell and Loadcell module. Use the resolution which is the worst. Please refer to Loadcell and module manual to find out Maximum weight(KG) and Output(mV/V).
Resolution of Loadcell(g) = Maximum weight of item(Kg) x Tolerance(%) Example) 100kg x 0.1% = 100g In case of WG02C, its maximum output of Loadcell is 2mV/V. If output is more than 2mV/V, there may be tolerance.
Resolution of WG02C(g) = Maximum weight of item(Kg) / 40,000 Example) 100kg / 40,000 = 2.5g

As resolution of WG02C(2.5g) is better than resolution of Loadcell(100g), use resolution of Loadcell.

2. Run CICON and double click Loadcell module.



 Do not put any items on the lodacell. Click "Calibration" and click "OK".

Load Cell			×			
Ch1 Ch2		0	S Version : 3,13 Help			
Total Weight	0	AD Raw Value	8375905 Calib.			
Zero Weight	0	Batching Stop	Stop Start Stop			
Tare Weight	0	Error	1(0001h) Error Clear			
Command Code	0(0000h)	Zero rese	et Tare(Reset)			
Status Flag						
Zero	Г	Full Flow	Dribble Flow			
Stable		High-High	High			
Over Max Weight		Low	Low-Low			
Over Weight		Hopper				
Under Weight		Weight O	Weight 1			
Hopper-Full		Weight 2	Weight 3			
Batching Completed		Weight 4	Weight 5			
Time-0	ut	Weight 6	Weight 7			
Calib, Write Calib, Save in File Close						
Set Value						
Weight : 0						

Weigh	t: 0
Zero ( Press	calib, will be started, 'OK' button, (Ensure nothing on the tray)
	OK Cancel

4. Put the item that you know the weight on the loadcell. (its weight is recommended 20% of maximum weight) If resolution is 100g and item's weight is 100kg, write 1000 at "Weight".

Set Value	<b>X</b>
Weight :	1000
Span sett Put the st Press 'Oł standard	ng will be started, andard on tray, C button, after entering the weight of
	OK Cancel



5. Calibration is completed.

Load Cell			23			
		09	S Version : 3,13 Help			
Ch1 Ch2						
Total Weight	0	AD Raw Value	8375905 Calib.			
Zero Weight	0	Batching Stop	Stop Start Stop			
Tare Weight	0	Error	1(0001h) Error Clear			
Command Codi	0(0000h)	Zero rese	et Tare(Reset)			
Status Flag						
Zerd	CICON	×	Dribble Flow			
Stabl		State State	High			
Over Max			Low-Low			
Over We	Calib. completed.					
Under W	-		Weight 1			
Hopper-			Weight 3			
Batching Co		ОК	Weight 5			
Time-(			Weight 7			
Calib, Write Calib, Save in File Close						

- 6. Even if PLC is turned off, calibration value is maintained.
- $\,\,\%\,\,$  It is possible to read current weight by using "From" i