

320S

Batch Weighing Controller

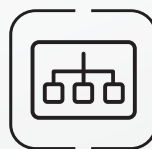
**Faster Sampling, Enhanced Connectivity,
Industrial-Grade Reliability**



FEATURES

- Large 6-digit LED Display (21mm high)
- Highspeed A/D Conversion of 360 times/second
- Built-in RS-232 and RS-485 Interfaces
- Support Modbus over TCP/IP and Modbus RTU over TCP/IP
- External USB Data Log
- Easy Setting and Update Via Web Browser
- EN 61010-1:2010/A1 and EN61326-1 Industrial Environment

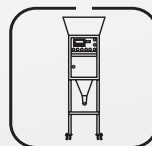
APPLICATION



Modbus over TCP/IP



PLC



Packing /
Bagging Scale



Feeding / Discharging
Weighing Control

SPECIFICATIONS

Analog

Load cell excitation	DC 5V $\pm$ 5%, 120 mA (8x350 Ω load cells sensor)
Max.load cell input voltage	0 ~ 4.0 mV/V
Input sensitivity	0.2 μ V/D
A/D resolution	360 times/second

General

Power source voltage	AC 90 ~ 240V 50 / 60Hz
Power consumption	About 10 VA
Operating temperature	0°C ~ 40°C
Operating humidity	< 85% RH
Safety regulations	EN 61010-1:2010/A1 (Low Voltage Directive) EN61326-1 (EMC Directive) Industrial Enviroment

Digital

Display	6 digits red or green LED, 21mm, 7-segment
Decimal point position	Selectable 0, 0.0, 0.00, 0.000
Display frequency	Optional: unlimited /20/10/5/1 times/second
Number of digits	-199999 to 999999
Minor division	1, 2, 5, 10, 20, 50
Status diplay	4 aelectable status: Zero, MD, Gross, Net, Accu.V, Accu.C, SP1, SP2, SP3, Hi, OK, Lo, Under, Over, Unloading, Running, Hold
Button	ON/OFF, Zero, Tare, F1, F, Enter

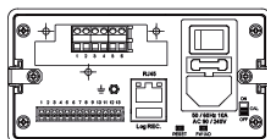
Other

Memory content	Calibration data, Function data Other settings
Calibration data protection	Calibration data and related settings protection function, can not be changed arbitrarily

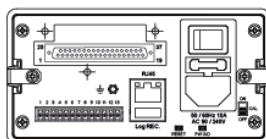
Interface

Serial Interface Terminel Block	RS-232x1; RS-485X1 support Modbus RTU
USB 2.0 Type A	Support USB data log and time setting
RJ-45	10/100Mbps; support LAN web browser for system settings and firmware updates; support Modbus RTU over TCP/IP

OPTIONS

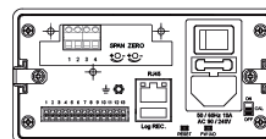


■ **OP-01**
RS-422/RS-485/RS-232 serial interface

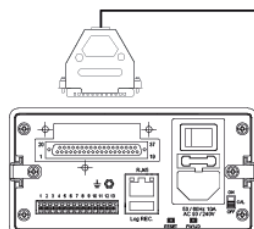


■ **OP-02-1**
BCD Parallel output interface (Open Collector)

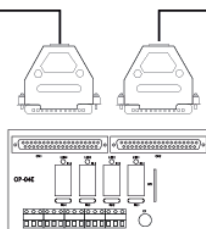
■ **OP-02-2**
BCD parallel output interface (TTL)



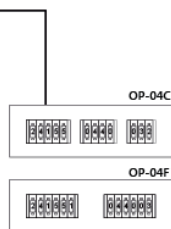
■ **OP-03**
Analog output interface (4 ~ 20mA, 0 ~ 10V)



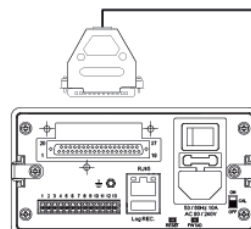
■ **OP-04**
Control I/O (4 In/4 Out) +
Setpoint Input (BCD Code)



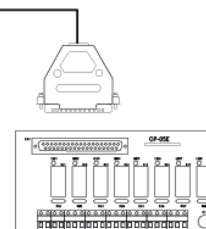
■ **OP-04E**
Relay Output
(4 In/4 Out)



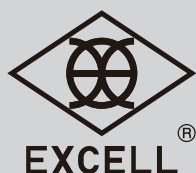
■ **OP-04C**
Hi, Lo input interface
■ **OP-04F**
Setpoint input interface



■ **OP-05**
Control I/O
(8 In/8 Out)



■ **OP-05E**
Relay Output
(8 In/8 Out)



EXCELL PRECISION CO., LTD.

6F, No. 127, Lane 235, Baoqiao Road, Xindian District,
New Taipei City, 23145, Taiwan

+886 2 8919 1000

E-mail: pm-all@excell.com.tw



EXCELL Website