

#### Windows i n Your Weight ® 5 olina 0 0 0 Microsoft Excel - Bo \_ 8 × Elle Edit View Insert Format Tools Data Window Help 🗅 😂 🖬 😨 💥 Arial - 16 - B I 꼬 통종 콜 \* 💽 **B**2 = =WINDDEJSCALEISTR -B . 220 LB G 4 5 6 250 200 8 9 150 Series1 10 11 12 13 100 50

0

I + > > Sheet1 / Sheet2 / Sheet3 /

- U×

1

11

NUM



T WinDE

220 LB G

Ready

ands Count Setup Help

InTouch®, Automation Direct®, Lookout Direct®, and Rockwell Automation RSView® are just a few of the well-

known applications which can be used with WinDDE.

Cardinal's WinDDE 2.0 Server communicates with up to 20 weight indicators attached to a computer. Weight indicators may be connected using standard computer serial ports or via ethernet using TCP/IP.The weight and status of the weight indicators is made available to spreadsheets, databases, and industrial control applications by means of Dynamic Data Exchange, or NetDDE for networked computers.

Microsoft Excel<sup>®</sup>, Microsoft Access<sup>®</sup>, Wonderware

Weight and time stamp information may be automatically captured to Excel® creating a new row of information for each stable weight above threshold. Alternatively, the capture feature may be based on the indicator print button to capture a row of data each time the print key is pressed on the indicator.

# WinDDE 2.0 Features

# Weight Monitoring

#### Industrial Control Software such as Rockwell RSView®, Automation Direct<sup>®</sup>, Lookout Direct<sup>®</sup>, and spreadsheet programs, such as Microsoft Excel<sup>®</sup> may be used.

- A spreadsheet cell, such as A1, shows continuously updating weight.
- The spreadsheet may show a continuously updating bar graph.
- Formulas in the spreadsheet may show a flashing indication if the weight exceeds or drops below certain levels.
- The WinDDE command for the spreadsheet to read weight is simply =windde|scale!wt

## Automatic Stable Weight Capture to Excel<sup>®</sup>

After a weight is placed on the scale and the indicator sees a stable weight, the weight is placed in a spreadsheet cell, such as A5. The operator removes the weight, and the procedure is repeated, but the weight value is placed in the next spreadsheet row, such as A6.

## Printer Port Capture to Excel<sup>®</sup>

After a weight is placed on the scale, the operator at the indicator may press the Print key on the

indicator. Instead of printing, the printout information from the indicator is sent to the computer. The computer sets the spreadsheet cells, such as E3 Gross Weight, F3 Tare Weight, G3 Net Weight, etc. The operator then may remove the weight, and the procedure is repeated, but information is placed in the next spreadsheet row, such as E4, F4, G4, etc.

	-		-	0
Consec #	Net	Tare	Gross	Print Time Stamp
137	1500 lb	2400 lb	3900 lb	04/15/03 09:26:41
138	780 lb	3900 lb	4680 lb	04/15/03 09:27:02
139	42140 lb	32420 lb	74560 lb	04/15/03 09:29:21
	Consec # 137 138 139	Net Consec # 1500 lb 137 780 lb 138 42140 lb 139	Tare Net Consec #   2400 lb 1500 lb 137   3900 lb 780 lb 138   32420 lb 42140 lb 139	Gross Tare Net Consec #   3900 lb 2400 lb 1500 lb 137   4680 lb 3900 lb 780 lb 138   74560 lb 32420 lb 42140 lb 139

#### **Computer Data Collection**

After a weight is placed on the scale, the operator may type information at the computer, such as an ID number to associate the weight. The computer stores the information in a database or spreadsheet. The operator then may remove the weight.

▼ Edt COM1 ▼

• N • 8 • 1 •

100 LB · 4000

WinDDE Indicator

Setup

F Enabled Name: Scale 1

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 4 +



Weight indicators may be connected via ethernet using TCP/IP (pictured above) or standard computer serial ports.

With certain weight indicators, such as the Cardinal model 220, weight monitoring, automatic stable weight capture to Excel® and printer port capture to Excel<sup>®</sup> can be used simultaneously.

Windows<sup>®</sup> 2000 or XP must be used if more than ten indicators will be connected.



Sold By:





Cancel

Delete

Excel 2002 (04P)

ISMA DMD

OV BZ MO CZ

Post 1 Chr. 0

End Chrs.

Max Len

Wt. End Pos 15

500 LB •



🕄 Ele Edit

Stbl. Wt

04/15/03 09:26:35 04/15/03 10:12:34 04/15/03 11:05:20 04/15/03 11:07:43

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ID	Consec #	Net	Tare	Gross	Print Time Stamp
3400	137	1500 lb	2400 lb	3900 lb	04/15/03 09:26:41
123	138	780 lb	3900 lb	4680 lb	04/15/03 09:27:02
5555	139	42140 lb	32420 lb	74560 lb	04/15/03 09:29:21

P On Demand Enquiry: 20AW/20D Interval (ms): 50

ZERO UNITS GROSS TARE NET OP1 0P2 + +

End Ches 1 2 3 4 5 6 7 8 9 10

GITINI

Por 0 Len

Pos: 3 Chr 0

TN LB KG MT TON

Post 16 Chr. t

Data: 2042200

Print Canhure Start Chrs: \$20

Find: \$200

Indicator Profile

Flag: 0 DDE Item: GROSS