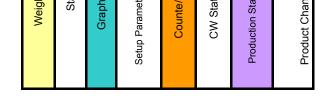
Communication Formats

Customer Target HW	Controls	Product	Mode	Data Provided								Customer Preparation	Physical Interface	Communication Medium	
Ū				Weights	Stats	Graphics	Setup Parameters	Counts/totals	CW Status	Production Status	Product Change				
	MM, CM	Weight Data Interface	,	•							Write code to receive,	10 position Phoenix Terminal Strip Ethernet TCP/			
	E	Weight Data Interface	2	•								interpret and store data ¹	DB9 Connector XRTC/RJ45		
PC or any other HW where a serial string can be received and deciphered	MM	Denete	(Send Only)	•	•		•	•					10 position Phoenix Terminal Strip		r RS422 ⁰
		Reports	(Se									Write code to receive, interpret and store data ¹	XRTC/RJ45	Ethernet	TCP/IP™
	СМ		nal	•	٠	•	•	•					36 P Centronix		allel
	E S	Statistics	ectio		•			•					36 P Centronix DB9	RS232 or RS422 $^{\circ}$	
	X-Series	Weight Data Interface	Uni-Directional	•								Write code to receive, interpret and store data, assign IP address for the Checkweigher	XRTC/RJ45 XRTC/RJ45	Ethernet TCP/IP™ Ethernet TCP/IP™	
		Reports	5	•	•		•	•					Requires daughter card XRTC/Com1/D- Sub9 Female	RS232 (Standard) , RS4 RS485 (Optional Comm	
Same as above, but can also be PC with dedicated	ММ	EZWay™		٠			•		•		•	Write code to receive, interpret and store data, or add communications board to existing EZWay PC. ¹	10 position Terminal Strip		RS422 only
EzWay SW and HW	СМ														RS232 or RS422 ⁰
AB PLC, SLC, or Contrologix	MM	AB RIO™		٠	 ♦ ♦				Write code to manipulate data in the PLC. Sample code is provided in the manual.	2 Position Terminal Strin Allen Bradl		Allen Bradle "Blue Hose			
	СМ											6J-01K-0006 (MM) 6J-01K-0013 &14 (CM)			
PC or any other HW that accepts serial string	E	GARECO	ve)		◆ ²		•	◆ ²	•		•	Write code to receive, interpret and store data	DB9 DB9	RS232 or RS422 ^{0,4}	
PC Network	CM, S, E, X- Series	FreeWeigh™ & FreeWeigh.Net™	& Receive)	Project cunsulting with METTLER-TOLEDO MTASC Group											
	S	Login Server™	(Send									Provide a network connection for the CW. SW installed on customer's PC	RJ45	5 Ethernet TCP/IP™	
	E ³	React™	Bi-Dirctional	٠	♦ ²	•	٠				•	Provide a network connection for the CW. SW installed on customer's PC	RJ45	Ethernet	TCP/IP™
	CM	RCI	Bi-Dir	•	•		•	•	•	•	•	Write code to manipulate data at the PC level. A sample Visual Basic program is provided 6J- 01K-0124 & 0137	RJ45	Ethernet TCP/IP	
PLC w/Ethernet IP, Modbus TCP, ControlNet, or DeviceNet	MM	Fieldbus Gateway		•	•		•		•		•	Write PLC program to use data from pre-assigned I/O locations in the PLC (6J- 01K-XXXX)	4 Pos Term. Strip	Devicenet™	
	СМ	Module											BNC Connector		
	X-series	Fieldbus daughter card											RJ45	Ethernet IP	
	Safeline Metal Detectors	Explorer™		Simila	Frovide a network connection for the MD. SW detectors contact Safeline for assistance							RJ45	TCP/IP		
Service	X-series	Back-up		*	•		*	•				None, requires a USB Memory Stick	USB Port	USB (USB1.1)	
				eights	Stats	aphics	meters	nte/ttls	Status	Status	hange				



"Data Provided" Legend Descriptions:

Weights – each individual weight as seen by the Checkweigher. S and E controls can be "every weight", or "accepts only", and include units. MM & CM allow patterns (e.g., every third, first X of every Y, as a sample). MM and CM provide counts and totals by zone, and interval and cumulative values.

Stats - average and standard deviation for a production grouping (by time, package count)

Graphics – x-bar/R charts, histograms for a production grouping

Setup Parameters – Zone settings, target weights, tare weights, zone status

Counts and Totals - number of packages per zone, total weights per zone, number of accepts and rejects by zone.

Checkweigher Status – MM and CM include Good Rezero, Needs rezero status, Checkweigher ID (format varies by control), Checkweigher configuration. E and S are Checkweigher ID on;y

Production Status – "on" or "off" status of all alarms in the system. Allows customer to monitor machine status (e.g., ready to run, machine running, photoeye status, consecutive rejects, etc.) See AB RIO and RCI publications for detailed list.

Product setups – Ability to download setup parameters to a remote system, modify them remotely, then upload to the Checkweigher. Feedback parameters such as upper and lower control limits, scale factors for adjustment, target weigh, sample size are included when feedback is purchased.

NOTES:

 $^{\rm 0}$ – Can also be Ethernet TCP/IP with converter and RJ45 interface + \$.

¹ - Applications information is provided in the Micromate (6J-01K-0005) or Checkmate (6J-01K-0012) manual.

 $^{\rm 2-} Requires purchase of statistics option for inclusion with this feature$

³⁻ React for E control is article (product) upload-download only, i.e., no stats or graphics

^{4 –} Also via Profibus to Siemens PLC

⁵⁻ One RS232 Serial Interface is standard (Comm 1) additional serial outputs (RS232, RS422 or RS485) are available as an option (Comm 2) with purchase of serial interface (daughter) card.

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