



USB Connection SMART COMMUNICATION UNIT MODEL EL2310

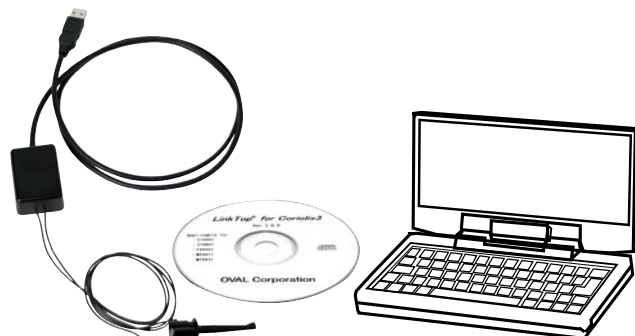
GENERAL SPECIFICATION
GS.No.GEL104E-4

■ GENERAL

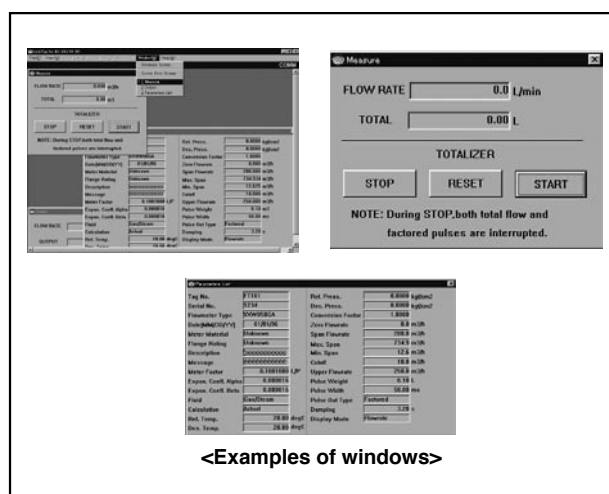
The Smart Communication Unit is a communication terminal unit which enables the operator to set up, alter, adjust parameters, or read out variables in the field or remotely through interactive communications when used in combination with OVAL Smart series flowmeter. Using a Windows PC at hand as the terminal, it connects to the 4 to 20mA DC signal transmission lines of the flowmeter to show multiple process windows.

■ FEATURES

1. Direct transmission of variables from the flowmeter offers reading them free of conversion errors.
2. Can display a package of parameters established in the flowmeter, including the process fluid conditions, flow units of measurement, analog output full scale, total and pulse output, and can reconfigure them. Tells the operator with an error message any entry of settings in error by its self diagnostics.
3. Can save parameters established in the flowmeter; they are ready to be reviewed and printed out on demand. By downloading, the entire data can be transferred to another flowmeter, duplicating the flowmeter of exactly the same specifications.
4. Can allow the flowmeter to produce a simulated analog signal of any level desired for use in running a connection check of analog 4 to 20mA output loop and an indicator check of the companion analog receiving instrument connected.



NOTE: Customer to furnish a PC.



■ GENERAL SPECIFICATIONS

Item		Specifications
Interface (※1)	Connector	USB (A type)
	In/Out Signal	Bell 202 ↔ USB
	Operating Temp.	-5 to +60°C
	Outline Dims.	Body : W50×H20×D35mm Probe : Approx. 1500mm (fixed to the interface body)
	Case	Plastics (black)
Comm. Protocol		HART™ protocol
Comm. Terminal Resist.		Load resistance 250Ωmin. (Max. value depends on transmitter (flowmeter preamplifier) specifications.)
Functions		• Monitors flowmeter transmitter output • Reads, sets up, and saves parameters (floppy disk, hard disk, or other storage). • Trims analog output • Tests analog output loop • Reviews self diagnostic messages

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■ PRODUCT CODE EXPLANATION

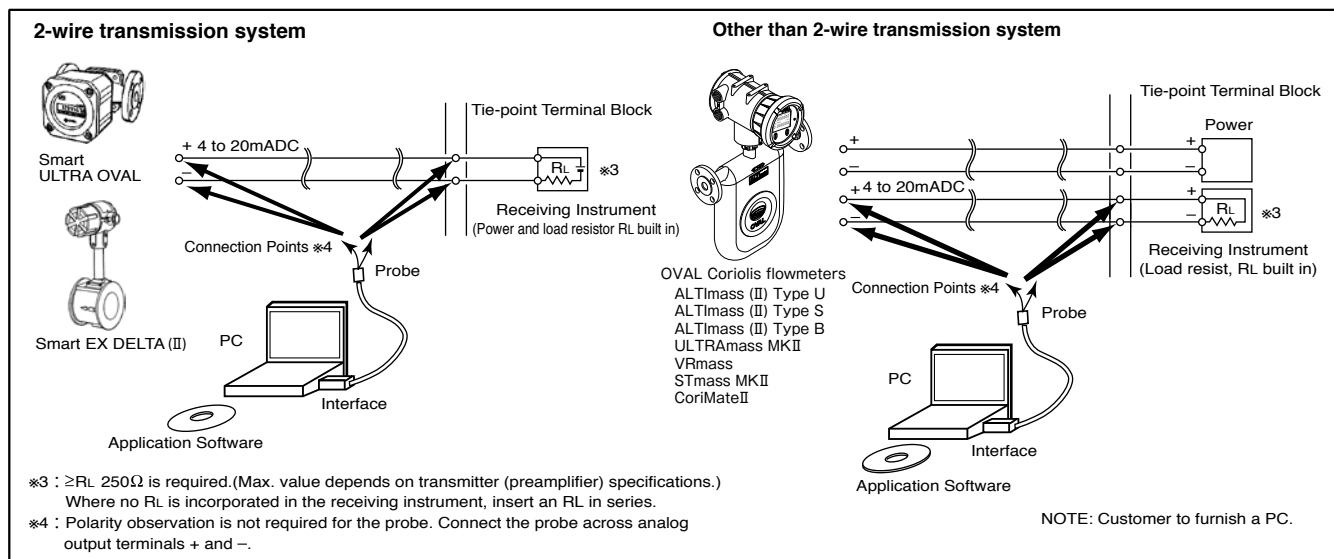
Item	Produ						Suppl						Description
	①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩	⑪	⑫	
Model	E	L	2	3	1	0	—						Smart Communication Unit
Power							0						Always "0"
Applicable Flowmeter (application software) (※1)							0						No application software
							1						Smart EX DELTA/Smart EX DELTA II
							2						Smart Ultra OVAL
							5						OVAL Coriolis flowmeters (CT9401, ST9801, EV9201, MT9411, MT9431, MT9603 (※2) [with Product Code ends with "A" or later] Each Transmitter)
							8						OVAL Coriolis flowmeters [ALTimass/ALTImass II]
							A						OVAL Coriolis flowmeters [CoriMate II]
							B						Electromagnetic flowmeter MAG-OVAL III (※3)
Languages							0						No application software (8th digit code is "0")
							J						Japanese (compatible with Japanese version OS)
							E						English (compatible with English version OS)
Interface							0						No interface (application software only)
							1						Interface provided.
Media (application software)							0						No application software (8th digit code is "0")
							1						CD-ROM
							9						Other than above
							0						Always "0"

※1 : Application software (LinkTop) for EL2300 (conventional type) with an RS-232C in terface cannot be used.

※2 : With MT9603, only "A" in the ⑬ thirteenth digit of the transmitter product code is applicable. If the ⑬ thirteenth digit code is "None" in the product code, conventional type EL2300 (with an RS-232C interface) to be used.

※3 : Select "No interface" since RS485 communication is the standard. (RS485 interface must be provided separately by the customer.)

■ HOOKUP WITH THE UNIT



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