

Water meter logging

Technical Note

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Primayer's XiLog+ and PrimeLog+ data logger range have the ability to operate a pulse input frequency of 1000Hz. The table below is not comprehensive.

Manufacturer	Model	Pulse Unit Type	Flow direction	Continuous Power required	PrimeLog+	XiLog+	Pulse Unit Product Code
ABB	AquaMag	Cable	Bidirectional	-	✓	✓	RXG321
	MagMaster	Cable	Bidirectional	-	✓	✓	RXG341
	AquaMaster	Cable	Bidirectional	-	✓	✓	RXG321
	- Explorer	Cable	Bidirectional	-	✓	✓	RXG323
	AquaProbe II	Cable	Bidirectional	-	✓	✓	RXG321
Actaris	Woltex	Model S	Unidirectional	-	✓	✓	RXG281
	Aquadis	Cyble 2 wire	Unidirectional	-	✓	✓	RXG282
	P40M	Cyble 5 wire	Unidirectional	-	✓	✓	RXG302
Arad (Mastermeter)	S P Q M Woltman WMR WST WT	EV Reed Switch	Unidirectional	-	✓	✓	Available on request
		EF-P Photo Diode	Bidirectional	✓	✓	✓	
Elster (Kent)	Helix 2000 & Helix 3000	LRP	Unidirectional	-	✓	✓	RXG061
		HRP	Unidirectional	-	✓	✓	RXG081
		Dual LRP	Unidirectional	-	✓	✓	RXG101
	H4000	PG100	Unidirectional	-	✓	✓	RXG121
		BPG20	Bidirectional	✓	✓	✓	RXG141
	PSM-T (V100)		Unidirectional	-	✓	✓	RXG161
	MSM-T (V210)	Black shroud	Unidirectional	-	✓	✓	RXG122
	MSM-T (V210)	Grey shroud	Unidirectional	-	✓	✓	RXG181
		PR6	Bidirectional	-	✓	✓	RXG128
		PR7	Bidirectional	-	✓	✓	RXG125
Primayer	PrimeProbe II (Compact)	Cable	Bidirectional	-	✓	✓	RXG921
	PrimeProbe II (Remote)	Cable	Bidirectional	-	✓	✓	RXG825
Sensus (Socam Meinecke)	501/510	K505R	Unidirectional	-	✓	✓	RXG261
	Cosmos II	RO2.2	Unidirectional	-	✓	✓	RXG221
		Opto OD06	Unidirectional	✓	✓	✓	RXG241
	Cosmos	RD01	Unidirectional	-	✓	✓	RXG204
		Opto OD07 (24V)	Bidirectional	✓	✓	✓	RXG243
	WP/WS-Dynamic	RD01	Unidirectional	-	✓	✓	RXG204

Continuous power

XiLog+ and PrimeLog+ can interface to pulse units that require continuous power. When programming the digital channel through PrimeWorks ensure 'Continuous Power' is ticked.

Combination meters

Combination meters produce two pulse outputs, one from the main meter and the second from the low flow bypass meter. Normally two data loggers are required but a single XiLog+ or PrimeLog+ can combine the values from both outputs, regardless of different calibration factors. To utilise this feature a splitter cable is required and the logger must be specifically programmed in PrimeWorks.



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