



Dialog3G Interpreter™

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The Dialog3G Interpreter™ water meter registers effectively replaces a wide range of meter register models available from other manufacturers.

The Dialog Interpreter™ improves functionality of existing water meter installations worldwide by utilizing highly advanced, state-of-the-art optical encoding sensor technology that lasts the life of the meter to reduce impeller friction. Interpreter™ registers are available in two types: electro-mechanical and LCD odometers. Both are integrated with self-powered two-way radio communication 3GTM units.

Dialog Interpreter™ registers also simplify the replacement of large diameter meters, significantly reducing costs and eliminating lengthy interruptions to service.

Dialog Interpreter™ register parameters are as follows: gear ratio, scale reading and rate of flow for the digital type. All Dialog 3G™ parameters are programmable.



Technical Specifications

Description	Dialog 3G Interpreter™ register for water meters	
Meter Type Adaptation	Adaptable to all meters types, programmable	
Transmission Adaptation	Optical encoding transmission, programmable gear ratio	
Meter Impeller Speed	Up to 1600 RPM input rate counting	
Register Weight	Electro mechanical odometer: 175 g Digital odometer: 170 g	
Power Supply	3.6 Volts, Internal lithium battery	
Operational Life	10 years	
Sensitivity	-90dBm	
Tx Power		
PSK-DS (US)	17dBm	
FSK -WB (US)	14dBm	
FSK - NB (IL)	16dBm	
Frequencies		
PSK-DS (US)	902 - 928MHz	
FSK-WB (US)	902 - 928MHz	
FSK-NB (IL)	916.3MHz	
Transmission Modulation	Direct Sequence (DS), Wide Band (WB), Narrow Band (NB)	
Odometer Capacity	6 readout digits + 1/10 / 100 scale pointer Display - Consumption read , Flow read	
Wakeup	Periodic - internal timer	
RTC	Real Time Clock	
Data logger	Up to 4000 history records	
Configuration Storage	Non-volatile memory	
FCC	Meets part 15 requirements	
Environment	IP-68	
Operating Temp	operating : -10° C to 75° C , storage : -20° C to 85° C	
Humidity	Max. 100%	
Reading /Programming Parameters	Unit ID No	8 character numeric
	Meter gear ratio	1 – 9999 division ratio
	Transmitted Reading	9 digits, numeric, Identical to the water meter mechanical odometer or display
	Meter Type	Meter type selection: Water Meter, Gas Meter, Gas Switcher, Gas Tank, Electric Meter, Other
	Reading Factor	Reading measurement unit factor
	Battery	Low battery indication
	Back Flow	Meter reading indication and CCW alarm
	Leak	Leak detection indication and alarm
	Transmission	self activation
	Tamper	Tamper detection Indication and alarm