

# Dialog3G Interpreter

Remote Small Concentrator



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.



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# Dialog3G Universal Unit

Remote Small Concentrator

## Technical Specifications

<b>Description</b>	Dialog 3G Interpreter™ register for water meters	
<b>Meter Type Adaptation</b>	Adaptable to all meters types, programmable	
<b>Transmission Adaptation</b>	Optical encoding transmission, programmable gear ratio	
<b>Meter Impeller Speed</b>	Up to 1600 RPM input rate counting	
<b>Register Weight</b>	Electro mechanical odometer: 175 g Digital odometer: 170 g	
<b>Power Supply</b>	3.6 Volts, Internal lithium battery	
<b>Operational Life</b>	10 years	
<b>Sensitivity</b>	-90dBm	
<b>Tx Power</b>		
<b>PSK-DS (US)</b>	17dBm	
<b>FSK -WB (US)</b>	14dBm	
<b>FSK - NB (IL)</b>	16dBm	
<b>Frequencies</b>		
<b>PSK-DS (US)</b>	902 - 928MHz	
<b>FSK-WB (US)</b>	902 - 928MHz	
<b>FSK-NB (IL)</b>	916.3MHz	
<b>Transmission Modulation</b>	Direct Sequence (DS), Wide Band (WB), Narrow Band (NB)	
<b>Odometer Capacity</b>	6 readout digits + 1/10 / 100 scale pointer Display - Consumption read , Flow read	
<b>Wakeup</b>	Periodic - internal timer	
<b>RTC</b>	Real Time Clock	
<b>Data logger</b>	Up to 4000 history records	
<b>Configuration Storage</b>	Non-volatile memory	
<b>FCC</b>	Meets part 15 requirements	
<b>Environment</b>	IP-68	
<b>Operating Temp</b>	operating : -10° C to 75° C , storage : -20° C to 85° C	
<b>Humidity</b>	Max. 100%	
<b>Reading /Programming Parameters</b>	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