

Dynamic-Encoder

Register
for cold water meters (up to 50 °C)



Special Features

Waterproof (IP 68) using a glass/copper hermetically sealed housing

Proven mechanical register with 6 digit roller counter and three analogue decimal sweep hands

Built in electronics equipped with a serial interface

Absolute correlation between the mechanical register and the remote reading

No internal battery or permanent external power source required

Remote reading using a patented opto-electronic sensing technique without affecting the sensitivity of the meter

Using a retrofit kit it may be installed on meters of series WS and WPV

Readout data may be transferred via cable, telephone, radio or inductive interrogator

Optical sensor (OD) can be fitted to the register

Dial Face and Interfaces

Roller counter with three decimal sweep hands

6 digit roller counter

Connection port for optical sensor (OD)

Serial interface with 5m connection cable

Read out Possibilities

Actual roller counter value

Meter serial number

Pulse output (with OD)

Alternative Dynamic-Registers

Standard	(Please see leaflet Dynamic-Standard)
Electronic	(Please see leaflet Dynamic-Electronic)
Hybrid	(Please see leaflet Dynamic-Hybrid)

This register is available for watermeters:

WP-Dynamic, WS-Dynamic, meijet, WPVD *, RKD Qn 2,5 ... 10

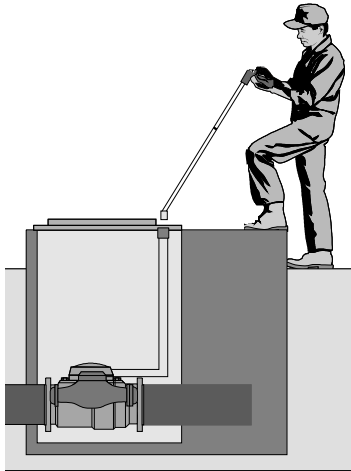
* special bypass meter available

www.sensus.com
info.int@sensus.com

 **SENSUS**
METERING SYSTEMS

Pulse Values

	DN 40 ... 125	DN 150 ... 300
OD 01	1 pulse = 1 Ltr.	1 pulse = 10 Ltr.
OD 03	1 pulse = 10 Ltr.	1 pulse = 100 Ltr.



MiniBus Interface

With the Encoder register the meter index can be read out simply, accurately and efficiently. This is made possible by direct opto-electronic sensing of the position of each roller counter tumbler without having any effect on the sensitivity of the meter.

The Encoder register does not require an external power source or batteries. The power required to interrogate the registers is supplied through an inductive interface from the hand held interrogation device.

Using a hand held interrogator it is a simple matter to read out the meter serial number and the meter totalizer.

When it is necessary to read meters in inaccessible pits, or when the pit is flooded, the advantages of the register become apparent. Meter reading can be accomplished by a single person because it is no longer necessary to enter the pit. The read out touch-pad interface is located at a convenient position on the pit lid.

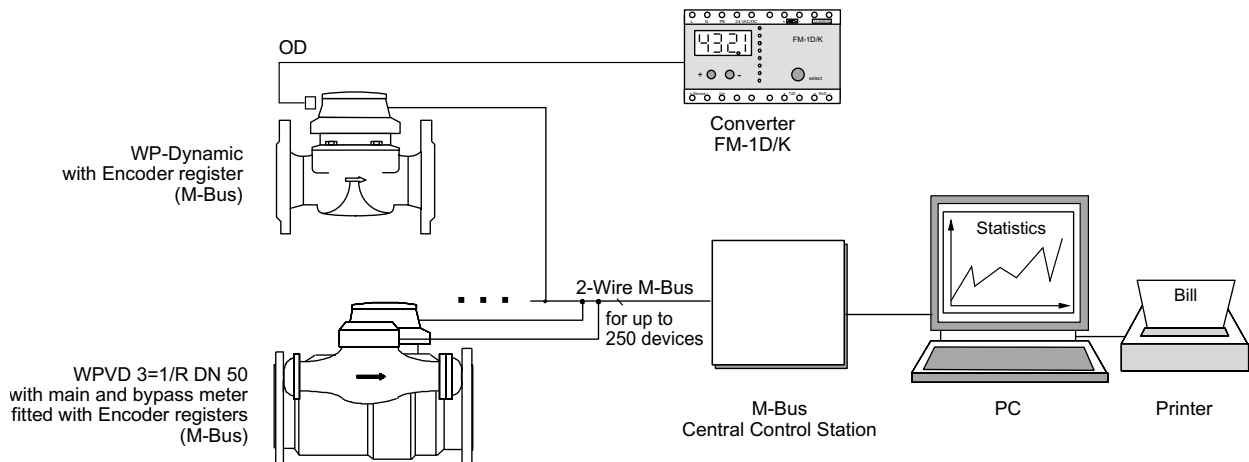
Application example

Reading of meters in pits

WPVD 3=1, Main and bypass meter with Encoder register Minibus

M-Bus Interface

The meters are connected to a M-Bus network. Via network the meter values are transmitted directly to a PC. On the PC these values are processed for further application.



A wide range of accessories is available for the interrogation transmission and evaluation of the meter information.

Please request detailed technical data sheets.

Dynamic-Encoder