

WESAN WP H E CHECK

Electronic Meter | Woltman

DIEHL
Metering



APPLICATION

Fully electronic hydrant tester for checking the actual amount of water in m³/h (cold water up to 30 °C) available at the end of the pipe.
Highly accurate recording of all billing data.

FEATURES

- ▶ Hydrant tester comprises: Hydrant meter, Pressure gauge, carrying/protective handle and input/output with fixed B-coupling
- ▶ Electronic counter module: Protection class IP 68, mechanical switch for changing the display, M-Bus interface to EN 1434-3, no automatic display change
- ▶ Lithium battery, lifetime up to 12 years
- ▶ Optical ZVEI interface equipped as standard
- ▶ Rotable integrator
- ▶ Single-line 7-digit display for easy meter reading
- ▶ Pulse output: 100 l/pulse forward, 100 l/pulse return

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PULSE OUTPUTS

The outputs are open-collector circuits. The collector branch contains only $0\ \Omega$ resistance, i.e. there is no internal current limiting. If required, this must be provided externally by a collector resistance of $1\ \text{k}\Omega$ (at 30 V). The pulse outputs must be operated in floating mode if the M-Bus is connected.

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Output - type	Open collector (high current sink)	
Max. input voltage	V	30
Max. input current	mA	27
Max. voltage drop at active output	V/mA	2/27
Max. current through inactive output	$\mu\text{A/V}$	5/30
Max. reverse voltage without destroying outputs	V	6
Pulse duration	ms	125
Min. pulse pause	ms	125

DISPLAY

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Display indication - counter module	LCD, 7-digit	
Display range - counter module	*	
Display range - pressure gauge	0 - 16 bar	

*

0 - 999999: Current volume in m^3

0.001 - 999.999: Current high resolution volume in m^3

0.01 - 999.999: Instantaneous flow rate in m^3/h

TEMPERATURE AND PRESSURE

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Operating temperature	$^{\circ}\text{C}$	30
Operating pressure	bar	16

TECHNICAL DATA

Nominal diameter	DN	mm	80
Nominal flow rate	Q_n	m^3/h	40
Maximum flow rate (short-term)	Q_{max}	m^3/h	150
Transition flow rate	Q_t	m^3/h	2
Minimum flow rate	Q_{min}	m^3/h	0.5
Starting flow rate		l/h	160
Flow rate at 0.1 bar pressure loss		m^3/h	115

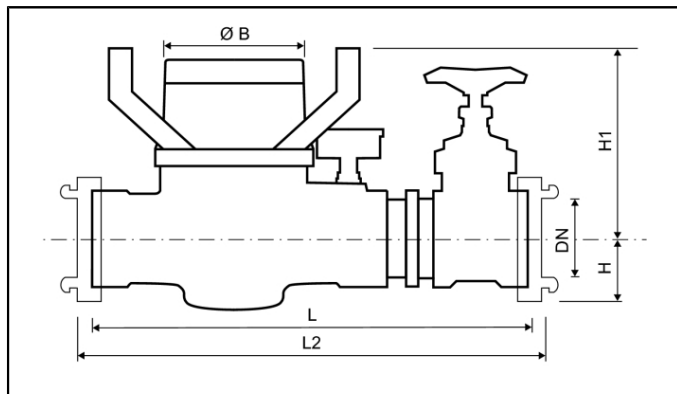
APPROVAL

Nominal diameter	DN	mm	80
National	D 06 / 6.132.49		
Metrological class	B		

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DIMENSIONS



Nominal diameter	DN	mm	80
Overall length	L	mm	460
Meter coupling	Fixed B-coupling (input/output)		
Height	H	mm	82
Height	H1	mm	138
Diameter	$\varnothing B$	mm	110
Width with carrying device		mm	180
Weight		kg	10.75