LXSY-15E~65E, LXSGY-15E~65E
LXSCY-15D~25D,LXSCRY-15D~25D
PULSE TRANSMITTING WATER METER
脉冲发讯水表

LXSGY-15E

LXSY-15E霍尔

LXSGY-25E

LXSY-15E

LXSCY-15D

LXHY-15

【用途】

本系列水表用于家庭或一个居民单元测量流经自来水管道的水体积总量，并具有发讯传感器，可作为各种智能远程抄表系统的计量发讯仪表

【Application】

It is designed to measure cold (hot) potable water in residential settings. Being with pulse transmitting sensor, it could be used as the mechanical meter for remote reading system.

【生产标准】

适用标准:ISO 4064 (等同GB/T 778–2007)

【Standards】

Complies with: ISO 4064 (equivalent to GB / T 778-2007), MID14154

【特点】

- 可供选择的发讯传感器类型有干簧管，霍尔元件，光电元件等传感器
- 采用高可靠性传感器，抗干扰性强，使用寿命长
- 不改变原水表的各项技术指标
- 保留原水表字轮显示读数功能
- 采用特殊结构设计，测试手段先进，保证信号采集可靠
- 水表至数据采集装置的最大传输距离为150M
- 应用范围广，可与各种数据采集装置配合使用
- 干式，湿式，热水，冷水任选
- 部分可通过对普通水表的改装而实现

【Features】

- Options for transmitting sensors: reed switch, hall components, photoelectric elements, etc
- Adopting reliable sensors, anti-interference and long service time
- Remaining original technical parameters
- Remaining original displaying function
- Special structure design, advanced test methods, reliable signal's collection
- The maximum transmission distance from water meter to data collector is 150m
- Wide application, matching with a variety of data collectors
- Dry type, wet type, hot type, cold type
- A part of it could be improved from ordinary water meters

JIANGBEI WATER METER 江 北 水 表

用途：用来测量流经自来水管道饮用水的总量并进行脉冲发讯。
Measuring the total water flow volume and transmitting pulse signals

结构原理与特点

该水表采用高灵敏度传感装置，抗干扰性强；能远距离采集水表用水量，数据可靠准确；通过对计数机构的改装，具有发讯功能，并保留了原水表字轮读数的计量功能；并可与计算机连接，便于计算机集中管理。水表与流量采集器之间的最远传输距离为150米。

可根据流量采集系统连接一台或多台远传水表。本水表可适用于大多数水表数据采集系统。

Structure Principle and Features:

With sensitive sensors and strong anti-interference function, this water meter can collect accurate water consumption datas from a long distance. It is provided with remote transmitting function by the improvement of the register structure and remains the original measurement function, can be connected with computor for the concentrated management. The maximum transmitting distance from water meter to data collector is 150 meters.

One or more remote reading meters could be connected according to data collector system. This type of water meter could be widely working with most of the data collectors.

流量技术参数 Flow Technical Data

型号 TYPE	公称口径 mm	Q_3/Q_1	过载流量 Q_4	常用流量 Q_3	分界流量 Q_2	最小流量 Q_1	最小读数 Min	最大读数 Max
			m^3/h		L/h		m^3	
LXSY-15E	15	80	3.125	2.5	50	31.25	0.00005	99999
		100			40	25		
		125			32	20		
		160			25	15.62		
LXSY-20E	20	80	5.0	4.0	80	50	0.00005	99999
		100			64	40		
		125			51.2	32		
		160			40	25		
LXSY-25E	25	80	7.875	6.3	126	78.75	0.00005	99999
		100			100.8	63		
		125			80.64	50.4		
		160			63	39.73		
LXSY-32E	32	80	12.5	10	200	125	0.00005	99999
		100			160	100		
		125			128	80		
		160			100	62.5		
LXSY-40E	40	80	20	16	320	200	0.00005	99999
		100			256	160		
		125			204.8	128		
		160			160	100		
LXSY-50E	50	80	31.25	25	500	312.5	0.00005	99999
		100			400	250		
		125			320	200		
		160			250	156.25		
LXSY-65E	65	80	50	40	800	500	0.00005	99999
		100			640	400		
		125			512	320		
		160			400	250		

最大允许误差 Maximum Permissible Error

a) 低区（$Q_1 \leqslant Q < Q_2$）最大允许误差为 ±5%
b) 高区（$Q_2 \leqslant Q \leqslant Q_4$）最大允许误差为 ±2%(热水表 ±3%)

Accuracy between Q_1 and Q_2 ±5%
Accuracy between Q_2 and Q_4 ±2% (±3% for hot water)

选型指南

1、LXSY-15E-65E, LXSRY-15E-65E旋翼湿式冷(热)水远传水表主要技术参数见上表，公称口径包括15、20、25、32、40、50、65外形尺寸参见LXS-15E~65E,LXSR-15E~65E中的外形尺寸及重量表发讯传感器可选类型：干簧管、霍尔元件、光电元件
2、LXSCY-13D-25D,LXSCRY-13D-25D旋翼干式单流冷(热)水远传水表主要技术参数见上表，公称口径包括15、20、25外形尺寸参见LXSC-13D~25D,LXSR-13D~25D中的外形尺寸及重量表发讯传感器可选类型：干簧管、霍尔元件、光电元件
3、LXSGY-15E-50E,LXSGRY-15E-50E旋翼干式冷(热)水远传水表主要技术参数见上表，公称口径包括15、20、25、32、40、50外形尺寸参见LXSG-15E~65E,LXSGR-15E~65E中的外形尺寸及重量表发讯传感器可选类型：干簧管、霍尔元件
4、LXHY-8旋转活塞容积式远传净水水表主要技术参数见上表，公称口径包括8外形尺寸参见LXH-8中的外形尺寸及重量表。发讯传感器可选类型：干簧管、霍尔元件脉冲常数为1脉冲/升

备注

1、脉冲常数可根据用户要求而定
2、引出线长一般为0.6米至1米(可根据用户要求而定)
3、引出线可选配不锈钢防护套，长500－900mm，端部连接螺纹M8x1长5mm
4、引出线连接方式
a、干簧管传感器，连接有两芯(或三芯)线，无极性，黑色为公共地
b、霍尔元件，连接为三芯，红色为电源正(3－3.6V)，绿色为输出，黑色为公共地
c、光电元件，连接为四芯，红色为电源正(4.5－15V)，绿色为输出，黄色为备用检测端，黑色为公共地

Manual :

1. LXSY-15E-65E, LXSRY-15E-65E (Multi-jet wet type cold (hot) remote reading water meter). See the above table for main technical parameters.
Size: 15mm, 20mm, 25mm, 32mm, 40mm, 50mm, 65mm. See the dimensions and weight table of LXS-15E-65E, LXSR-15E-65E. Sensors options: reed switch, hall elements and photoelectric elements.
2. LXSCY-13D-25D, LXSCRY-13D-25D (Single-jet dry type cold (hot) remotereading water meter). See the above table for main technical parameters. Size: 15mm, 20mm, 25mm. See the dimensions and weight table of LXSC-13D-25D, LXSCR-13D-25D. Sensors options: reed switch, hall elements and photoelectric elements.
3. LXSGY-15E-50E, LXSGRY-15E-50E (Multi-jet dry type cold (hot) remote reading water meter). See the above table for main technical parameters. Size: 15mm, 20mm, 25mm, 32mm, 40mm, 50mm. See the dimensions and weight table of LXSG-15E-65E, LXSGR-15E-65E. Sensors options: reed switch, hall elements.
4. LXHY-8 (Rotary piston remote reading purified water meter). See the above table for main technical parameters. Size: 8mm. See the dimensions and weight table of LXH-8. Sensors options: reed switch, hall elements. Pulse constant: 1 pulse/L.

Remarks :

1. Pulse constant could be decided by clients.
2. Wire length is generally 0.6m to 1m (decided by the clients).
3. Wire can be equipped with stainless protective cover; the length is 500mm to 900mm. The connectors' thread is M8x1, 5mm.
4. Wire connection methods:
a. Reed switch sensors, two core cable, without polarity.
b. Hall elements, three core cable, the red is power (3-3.6V), the green is output, the black is the commons.
c. Optoelectronic elements, four core cable, the red is power (4.5-15V), the green is output, the yellow is backup detection end, and the black is the commons.

主要参数

温度等级：冷⩽T50 / 热T90
压力等级：MAP 10
压力损失等级：ΔP63
上游流场敏感度等级：U10
下游流场敏感度等级：U5

WORKING CONDITION
Working temperature for cold water meter: +0.1 ℃ ~ +50 ℃
Working temperature for hot water meter: +0.1 ℃ ~ +90 ℃
Head loss:ΔP63
Working pressure ⩽1.0 Mpa