

# CJZ6ZW | CJZ6ZW/150 Wireless Laser Methane Gas Drainage Multi-parameter Meter for Confluence Pipeline

## Application:

New flow and gas concentration detection technology is adopted, which is applicable to gas drilling, drilling field or sub unit online monitoring.



## Features:

- The tester can display the instantaneous quantity of parameters such as flow rate, flow rate, methane concentration, pressure and temperature on the same screen, as well as the cumulative quantity of mixed quantity and the cumulative quantity of pure quantity in a certain period of time;
- The lower limit of flow rate measurement of the tester is low, which can be used for single hole gas drainage monitoring in the drilling field and gas drainage monitoring in the confluence pipeline in the drilling field;
- The methane concentration of the tester adopts the laser measurement principle, which is free from the interference of water vapor and other impurity gases. The measurement has the pressure compensation function, which can accurately measure the methane concentration under the high negative pressure environment;
- The tester has a standby power supply, and it can also measure normally in case of abnormal power failure on site;
- The tester has RS485, wireless communication and other functions, and can realize wireless ad hoc network;
- Explosion proof type: intrinsically safe type for mining (explosion-proof sign: Exia I Ma);
- Protection grade: Ip65.

## Technical parameters:

Parameter	measuring range	fundamental error	resolving power
Flow Rate ( m <sup>3</sup> /min )	0.220~21.00 ( DN150 ) 0.100~10.00(DN100)	Not more than ± 1.5% FS	0.001 m <sup>3</sup> /min
CH <sub>4</sub> ( %CH <sub>4</sub> )	0.00~1.00 >1.0~100	Not more than ± 0.05% Ch <sub>4</sub> Not more than ± 5.0% CH <sub>4</sub> of the true value	0.01%CH <sub>4</sub> 0.1%CH <sub>4</sub>
CO ( ×10 <sup>-6</sup> CO )	0~100 >100~500 >500~2000	±4 × 10 <sup>-6</sup> CO Not more than ± 5.0% of the true value Not more than ± 6.0% of the true value	1 × 10 <sup>-6</sup> CO 1 × 10 <sup>-6</sup> CO 1 × 10 <sup>-6</sup> CO
O <sub>2</sub> ( %O <sub>2</sub> )	0.0~25.0	Not more than ± 3% FS	0.1%O <sub>2</sub>
Absolute Pressure ( kPa )	10.0~200.0	Not more than ± 0.75% FS	0.1kPa
Temperature ( °C )	-10.0~100.0	±1.0°C	0.1°C