

**1 - COAL MINE GAS PREDICTOR (CMGP) - INPUT DATA SHEET****1 - 煤矿瓦斯预测系统 - 数据输入表**

Mine name	
煤矿名称	
Longwall name/number	
工作面名称或编号	
Worked seam name	
工作煤层	
Bore number/location	
抽放钻孔位置	
Longwall face length [maingate to tailgate] (m)	
长壁工作面长度[从区段主运输平巷到回风平巷] (米)	
Worked seam thickness [cut coal height] (m)	
生产煤层厚度(米)	
Weekly coal production [average & peak] (tonnes)	
每周煤炭产量[平均和峰值] (吨)	
Daily coal production [average & peak] (tonnes)	
煤炭日产量[平均和峰值] (吨)	
Worked days per week (weekly worked hours / 24)	
每星期工作日数(周工作小时数除以24)	
Worked seam in situ gas content ( $\text{m}^3\text{gas/tonne}$ )	
工作煤层现场瓦斯量(立方米/吨)	
CH <sub>4</sub> concentration in mine gas (%)	
甲烷浓度(%)	
Other gas components in mine gas (%)	
其它气体浓度(%)	
Basic or advanced simulation (B/A)	
基本或高级模拟(基本/高级)	
In seam pre-drainage efficiency (%)	
采前煤层瓦斯预抽率(%)	
Post-drainage system efficiency (%) = $[100 \times (\text{gas drainage/ventilation} + \text{gas drainage})]$	
采中和采后瓦斯抽放率(%) = $[100 \times (\text{抽放量/抽放量} + \text{通风量})]$	
Gas drainage vacuum (mmHg)	
瓦斯真空抽放(毫米汞柱)	
Contribution of free gas from porous rocks and old workings (%)	
包括从裂缝岩体和采空区产生的游离瓦斯贡献量(%)	
Ventilation disturbances & sudden barometric pressure changes maximum coefficient	
平均通风干扰系数和突然大气压力改变系数	
Ventilation disturbances & sudden barometric pressure changes average coefficient	
平均通风干扰系数和突然大气压力改变系数	
Maximum methane thresholds (in longwall return) %	
最大值甲烷阈值(在长臂回风量中) %	
Minimum methane thresholds (in longwall return) %	
最小值甲烷阈值(在长臂回风量中) %	
Other gas threshold %	
其它气体阈值 %	
Longwall current methane make ( $\text{m}^3\text{CH}_4/\text{min}$ )	
长臂当前甲烷产生量(立方米 CH <sub>4</sub> /分钟)	
Total mine current methane make (Ventilation+gas drainage) ( $\text{m}^3\text{CH}_4/\text{min}$ )	
全部煤矿当前甲烷产生量(通风量+瓦斯抽放量)(立方米 CH <sub>4</sub> /分钟)	

**2 - COAL MINE GAS PREDICTOR (CMGP) - COAL SEAMS****2 - 煤矿瓦斯预测系统 - 煤层**

Units 煤层号	Coal seam name/number 煤层名称或编号	In situ gas content (d.a.f.) 现场瓦斯成分 干燥无灰基	Coal seam thickness (coal only) 煤层厚度 仅包括煤	Distance from worked seam 到采掘工作 面距离	Comments 备注
14					<b>ROOF STRATA COAL SEAMS</b> (200m above worked seam) 顶板底层 煤层 (高于煤层200米)
13					
12					
11					
10					
9					
8					
7					
6					
5					
4					
3					
2					
1					
<b>0</b>				<b>0</b>	<b>Worked seam 工作煤层</b>
1					<b>FLOOR STRATA COAL SEAMS</b> (100m below worked seam) 底层地层煤层 (低于煤层100米)
2					
3					
4					
5					
6					