

Notes

Technician Team

Draw Number

Team Name

Company Name

Instrument Model _____ Serial # _____

National Mine Rescue Contest - Discount Card

Technician Team

Working Time

Minutes Seconds

_____ : _____

SIGNATURES:

Timekeeper: _____

Written Examiners: _____

Judges: _____

Scorecard Examiners: _____

Chief Judge/Appeals Committee: _____

Gas Detector Problem

DISCOUNTS

		Alarm Points			
Sensor		Reqd.	Set	Comments	Discounts
O ₂	Low	19.5	_____	_____	_____
	High	23.5	_____	_____	_____
CH ₄	Low	1.0	_____	_____	_____
	High	1.5	_____	_____	_____
CO	Low	50	_____	_____	_____
	High	100	_____	_____	_____
NO ₂	Low	3.0	_____	_____	_____
	High	5.0	_____	_____	_____
Toxic:					
_____	Low	_____	_____	_____	_____
_____	High	_____	_____	_____	_____

Additional Discounts:

Functional (Bump) Test Not Performed, if required -
20 discounts, each infraction _____

Multi-gas Instrument(s) not "ready for use"
5 discounts (total) _____

Deficiency (bug) not corrected: 5 x _____ = _____
Comments: _____

Each instance of incorrect procedure or equipment use during
calibration of instrument - 20 discounts, each infraction 20 x _____ = _____
Comments: _____

"Unknown" gas mixture concentration not identified:
O₂ Concentration - (+ 0.5%) Bottle _____ % Team Found _____ %
CH₄ Concentration - (+ 0.2%) Bottle _____ % Team Found _____ %
CO Concentration - (+ or - 10%) Bottle _____ ppm Team Found _____ ppm
NO₂ Concentration - (+ 3ppm) Bottle _____ ppm Team Found _____ ppm
15 discounts, each gas: 15 x _____ = _____

Judge _____ **Gas Detector Discounts:** _____

Air Measurements

DISCOUNTS

D. Anemometer

1. Failure to provide anemometer, measuring tape and timing device 1 _____
2. Failure to give a brief description of the anemometer (how to zero and turn on the anemometer) 1 _____
3. Failure to take a proper measurement of the area to be tested 1 _____
4. Failure to traverse the entry while taking a 1 minute reading in the area. 1 _____

5. Failure to calculate correctly the air reading for the area in cfm (air reading must be calculated with pencil or pen and submitted to the Judge) 1 _____

E. Smoke Tubes

1. Failure to provide smoke tubes with aspirator bulb, measuring tape and timing device 1 _____
2. Failure to measure off a distance of 10 feet (per the rule) . . 1 _____
3. Failure of team members to verbally explain how smoke will be released and timed through each of the four quadrants. 1 _____
4. Failure to take measurement of area to be tested 1 _____
5. Failure to apply smoke rule 1 _____
6. Failure to calculate smoke air reading for the area in cfm (air reading must be calculated with pencil or pen and submitted to the judge) 1 _____

F. Magnehelic

1. Failure to provide a Magnehelic and necessary port hoses and fittings 1 _____
2. Failure to explain what the Magnehelic is used to measure. 1 _____
3. Failure to demonstrate how to zero the Magnehelic 1 _____
4. Failure to connect the hoses to Magnehelic properly and simulate the reading 1 _____
5. Failure to give and explain the proper reading of the Magnehelic to the judge (positive or negative pressure should be included in the explanation) 1 _____

Air Measurement Discount

Gas Detector Discount

General Rules

1. Failure to comply with other written adopted National Rules not covered in Discount Sheet, each infraction 2 x _____ = _____

Written Examination

1. For each incorrect answer 1 x _____ = _____

Total Discounts