

02/09/2022 IMRC News Update:

Due to unforeseen circumstances the 2020 IMRC Mine Rescue Skills Competitors will be provided with Industrial Scientific MX-6 Multi-Gas Detector(s) (see pictures below) in lieu of the previously listed Drager X-am 8000 Gas Testing Proficiency

IMRC will provide an MX-6 Multi-Gas Detector and Testing Gas

- The following gases will be tested in: CO, CH₄, NO₂, and low O₂.
- Correct gas concentrations will be attained when reported gas concentrations fall within the following ranges:
- Correct readings will be within 20% (inclusive) of the gas concentration within the test cylinder and observed on the analytical instruments.

MX-6 Multi-Gas Detector



Calibration Set Up for MX 6



Gas Test Scorecard

Team Name _____

IMRC will provide:

- Instrument: MX-6
- Sampling Gas
- Sampling Hood and Hose

Gas Tests

- Team will take gas tests in proper order
- Team will follow proper procedure when testing with gas detectors
- Team will determine gas concentration within the prescribed error rate of the detector used

METHANE

% CH ₄ in cylinder	Min. Accepted	Max. Accepted	% by Examiner
_____	_____	_____	_____

CARBON MONOXIDE

ppm CO in cylinder	Min. Accepted	Max. Accepted	ppm by Examiner
_____	_____	_____	_____

OXYGEN DEFICIENCY

%O ₂ in cylinder	Min. Accepted	Max. Accepted	% by Examiner
_____	_____	_____	_____

NITROGEN DIOXIDE

ppm NO ₂	Min. Accepted	Max. Accepted	ppm by Examiner
_____	_____	_____	_____

Total _____

Gas Judge's Signature