

ANALYSE THIS! A QUICK & EASY HEALTHCHECK ON YOUR ANALYSER

Reliable online monitoring and process control in mineral slurries is no longer a 'nice to have' in today's operations - increasingly, many operations realise this is a necessity to truly optimise recovery and performance.

So, how do you know if your analyser is still performing to its best and delivering fast, accurate analysis at your site? Here is a simple risk assessment formula to help analyse your analyser.

This worksheet will help you prioritize equipment replacement based on a numerical risk assessment. The final risk score and category is determined using the following formula:

$$\text{Risk Score} = \text{FP} (\text{AC} + \text{PI} + \text{RL} + \text{SA} + \text{SP} + \text{LR} + \text{NC})$$

FP = Failure Probability

- 1 = Very low probability of failure,
- 10 = Multiple historical failures

AC = Age / Condition

- 1 = New equipment,
- 5 = Equipment in service for over 7 years

PI = Process Impact if equipment failure occurs

- 0 = No process impact,
- 5 = Likely process loss

RL = Revenue Loss if equipment failure occurs

- 0 = No impact on revenue,
- 5 = Revenue loss due to equipment failure

SA = Service Ability

- 1 = Equipment easy to service and parts readily available,
- 5 = Service cannot be serviced internally or externally

SP = Spare Parts

- 1 = Parts easy to find, readily available,
- 5 = Obsolete parts, hard to find

NC = Network Compatibility

- 0 = Not applicable,
- 5 = Obsolete, unable to connect to network

LR = Legal Risk (1-5)

- 1 = Minimal risk of lawsuit due to equipment failure,
- 5 = High probability of lawsuit ■



RISK SCORE RANGE	RECOMMENDED ACTION	RISK CATEGORY
200 - 350	Replace equipment immediately	Severe
125 - 199	Replace equipment as soon as possible	High
75 - 124	Schedule equipment replacement as budgets permit	Moderate
35 - 74	Equipment replacement not necessary within 5 yrs	Low
<35	No recommended replacement schedule	Extremely Low

FOR FURTHER INFORMATION PLEASE CONTACT:
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