

Application Data Sheet



For On-Line Ash Analysis – Coal PLEASE COMPLETE ALL FIELDS. LINEAR DIMENSIONS ARE IN MM

RTI SALES CHANNEL INFO										
RTI Sales Eng./Agency Name				1)Date/Version						
COMPANY DETAILS										
2) Company Name										
3) Site Name										
4) Site Location / Address										
5 Contact Name										
6) Email Address	7) Phone Number									
MATERIAL INFORMATION										
8) General description of the purpose for which the analyser will be used):										
9) Type of Coal Conveyed: ROM (Run-of-Mine): Crushed and sized: Washed Product: Filter Belt Fines:										
10) Conveyer Location (e.g. CHPP	Feed, TLO etc.)									
11) Multi-Seam Operation?	Yes: 🗌 No:	Seam Type:								
Conveyor / Material Properties	Min (operatin	g Min - not zero)	Nominal	M	ax					
12) Ash %										
13) Moisture %										
14) Burden Depth (mm)										
15) Particle Size (mm)										
16) TPH (tonnes per hour)										
17) % Fe (Iron) in Ash										
18) % Ca (Calcium) in Ash										
19) Moisture Analysis Required?	Yes: N	o: 🗌	1	I						
20) Elemental Analysis Required?	Yes: N	o: 🗍 (If "Yes" plea	ase also complete p	age 2 of this datash	eet)					
		PC	OWER	<u> </u>	,					
21) Supply Voltage available	240VAC:	115VAC: 🗌 🛛 🖸	other: 🗌 🛛 Other	Voltage:						
22) Supply Frequency	50Hz:	60Hz:	23) Is power regula	ated? Yes:	No:					
CONVEYOR DETAILS	Please provide	photographs and dra	wings of conveyer ar	nd indicate the propos	ed location of the Analyser					
24) Belt ID/Name				-	C					
25) Belt Speed (m/sec)										
26) Belt Width, Flat (A)										
27) Roller Diameter (B)										
28) Distance Across Roller Tips (C										
29) Idler Trough Angle (D)			<u>+</u>							
30) Max Material Depth (E)		I I								
31) Top of Centre Roller to Top of	Stringer (F)		•							
32) Roller Tip to Top of Stringer (0	i)									
33) Distance between Return Belt Conveyor Stringer (H)	& Top of			-	K					
34) Inside – Inside of Stringer (I)			M	N O						
35) Idler Hole Centres (J)										
36) Outside – Outside of Stringer	(К)									
37) Idler Pitch (L)				M						
38) Stringer to Nearest Existing St	ructure (M)									
39) Stringer Leg Pitch (N)					L.					
40) Stringer Leg Width (O)										
41) Width of Idler Foot (P)										
42) Idler Foot Hole Centres (Q)										
43) Type of Idler Frame		1								
44) Steel Cord Belt Yes:	No: Specs:				i					

Lot J, Mackay Marina Village, Mulherin Drive, Mackay QLD 4740 PO Box 9117, Slade Point QLD 4740 www.realtimegrp.com rti@realtimegrp.com



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45) Stringer Beam Type, Cross1L:1R:2L:Section 1, 2, 3 or 4 / Orientation3R:4L:4F			2L: 4R:	2R: 3L: Other:									
46) Other Type, Specify:												-	
47) Desired location of control cabinet, Left Side							1					2	
When viewed in the direction of belt travel					[U	U U				
48) Distance, corner of analyser side proposed position of the control cab													
49) Belt Weigher TPH output available? Yes:				I	No 🗌								
50) Belt Weigher location, relative to proposed Up:			Dov	wn:							-		
analyser location; Upstream or Downstream? Distance:						М	3					4	
51) Rollers per Idler Frame 3 Rollers: 5 Rollers: Other:													
52) Roller Trough Angles Angl	e 1:			Angle	2:			1	Ì				
53) Can the current conveyer structure support the analyser? (approximately 1500 kg over 1.9 m) Yes: No: There are four (4) mounting points for the AllScan Analyser, one at each corner of the analyser. Two per conveyor beam, 1.9 metres apart. I.e. Approx. Point Loading of 380 Kg.													
54) Conveyor Support Frame Type	Chann	el:] ·	Truss:		Cable:		Slider Be	ed: 🗌 🛛 O	ther: 🗌			
55) Analyser in Hazardous Zone? Yes: No: No:						56) Hazardous Zone Classification:							
57) Position of items that run alongs	ide the	conve	eyor st	ringers	;?	Details of i	tems & lo	ocation:					
e.g. water/gas pipe, cable tray, e	merger	ncy pu	ill cabl	e, etc.									
58) Is a mechanical Auto Sampler ins	talled o	on this	belt?			Yes:	No:		If "Y" pleas	se answer	questions be	ow)	
59) Type of Sampler 60) Location of Sampler						61) Distance from Analyser 62) Estimated time lag							
						met	res			secor	nds		
ENVIRONMENTAL CONDITIONS													
63) Minimum Temp at Analyser locat	tion			Deg	s C	64) №: 3/4	G wireles	ss signal ba	ars, best sig	nal on site	2		
65) Maximum Temp at Analyser Location Degs C 66) №: 3/4G wireless signal bars, at Analyser location													
ADDITIONAL DETAILS REQUIRED FOR ELEMENTAL ANALYSER COMPLETE THIS SECTION ONLY IF YOU ANSWERED "YES" to QUESTION 20) "Elemental Analysis Required?"													
67) Where is the applyser to be located? Above Ground: Indoors: Covered belt & walkway: Yes: No:													
Below G					Ground:	Outo	loors: 🗌	Belt Roofin	g only:	Yes: 🗌 N	o: 🗌		
68) Are there any obstructions or metal structures Yes:						N ibe Obstruc	o: 🔄 tion:						
69) Is the proposed analyser installation location													
accessible by crane for installation?						NO:							
70) Will people have access beneath analyser location? Yes:													
It Yes how close to the bottom of the conveyer Dista						nce in metres:							
before the analyser is installed?						de description:							
72) Is the Belt a FRAS belt? (Fire Res	istant, /	Anti-S	tatic)	Ye	es:	No:	If answe	ering "Yes"	to Chlorine	e content,	specify the %	CI:	
If "Yes" please provide %chlorine (Cl) in belt material % Chlorine													
73) Brand/type/model of plant control system													
74) Elements required to be Analyse	d *				- ENI								
Provide Nominal % of Element in	convey	ed ma	aterial										
* e.g. Sulphur (S) Iron (Fe) Calcium (Ca) Titanium (Ti) Aluminium (Al) Potassium (K) Silicon (Si)													
75) Additional Parameters required? Yes: No: SE (Specific Energy): Volatiles: Other: Other:													
RADIATION INFORMATION													
76) Does site have a license for Cf-25 source? (If yes please attach all relev	2 radia ant info	tion ormat	ion)	Yes: [No: [
77) Does the company have an RSO (Radiation Safety Yes: No: Officer)? (Please attach all relevant information)													
78) Any other relevant information to the Specification / Quotation of the AllScan Analyser													