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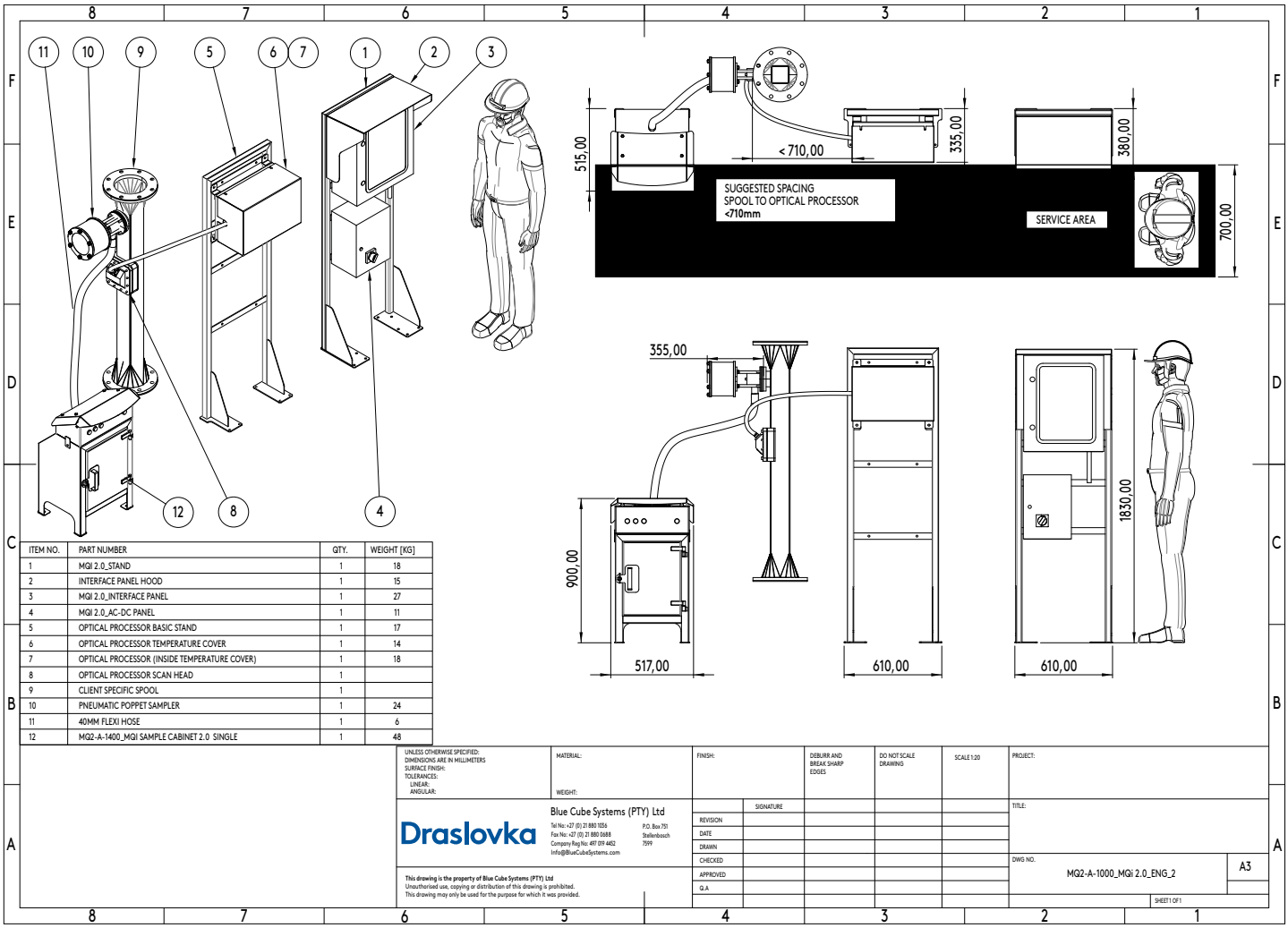
TECHNICAL DATA SHEET

MQI SLURRY ANALYZER

TECHNICAL DATA		UNITS
Plant DCS connections	EtherNet/IP Profibus, Profinet Modbus TCP	
Operating principles	Diffused reflection spectroscopy	
Analytical capabilities	Elements Minerals % Solids Particle Size	
Measurement range	Dependent on specific elements	
Principle Dimensions: • Optical Processor (with stand) • Optical Interface Unit (with stand) • Sample Cabinet • Minimum Pipe Diameter	 1850 x 600 x 400 1850 x 850 x 400 1220 x 544 x 520 25	 mm mm mm
Construction Materials: • In contact with slurry	SS316 Rubber lined mild steel Nylon 6 cast MoS2 filled Tungsten coated SS316 Sapphire window	
Construction Materials: • Not in contact with slurry	Powder coated aluminium SS316 Nylon 6 cast MoS2 filled PVC cable Hydraulic hose Flowable silicon rubber	
Minimum flow rate of slurry past Scan Head Particle size range (slurry) Temperature range of material to be analyzed Measurement time Maximum number of measured parameters	2 Liberation dependent 1–100 15 8	m/s °C seconds
UTILITIES		
Power supply/electrical requirements **Power consumption** • Optical Interface Unit **Auxiliary equipment requirements (Sampler)** • Compressed air consumption • Compressed air pressure	24VDC/110VAC/50/60Hz/ 230VAC 50/60Hz 0.66 10 6–8	 kw l/hr Bar
ENVIRONMENT		
Environmental impact Ingress Protection (IP) Rating Environment operating temperature range	None 65 1–65	 °C
STANDARDS		
European Union, CE mark		



ITEM NO.	PART NUMBER	QTY.	WEIGHT [KG]
1	MQI 2.0_STAND	1	18
2	INTERFACE PANEL HOOD	1	15
3	MQI 2.0_INTERFACE PANEL	1	27
4	MQI 2.0_AC-DC PANEL	1	11
5	OPTICAL PROCESSOR BASIC STAND	1	17
6	OPTICAL PROCESSOR TEMPERATURE COVER	1	14
7	OPTICAL PROCESSOR (INSIDE TEMPERATURE COVER)	1	18
8	OPTICAL PROCESSOR SCAN HEAD	1	
9	CLIENT SPECIFIC SPOOL	1	
10	PNEUMATIC POPPET SAMPLER	1	24
11	40MM FLEXI HOSE	1	6
12	MQ2-A-1400_MQI SAMPLE CABINET 2.0 SINGLE	1	48

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN MILLIMETERS
SURFACE FINISH:
TOLERANCES:
LINEAR:
ANGULAR:

MATERIAL:

WEIGHT:

FINISH:

DEBURR AND BREAK SHARP EDGES

DO NOT SCALE DRAWING

SCALE 1:20

PROJECT:

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	SIGNATURE
REVISION	
DATE	
DRAWN	
CHECKED	
APPROVED	
Q.A	

TITLE:

DWG NO. MQ2-A-1000_MQI 2.0_ENG_2

A3

SHEET 1 OF 1

Notice proprietary warning and disclaimer: