

QUESTIONNAIRE – BELT SCALE

Please complete the form fields and return the questionnaire to biuro@interprocess.pl – we will prepare our quotation on this basis. Any questions: tel. +48 787 783 590.

CONTACT DETAILS

Full name:		Phone number:	
Company:		E-mail address:	
Street and number:		Country:	
Postcode, town:		Date completed:	

ORDER

Quantity:		Required delivery date:	
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MATERIAL

Material name:			
Particle size [mm]:		Bulk density [kg/m³]:	
Moisture content [%]:		Angle of repose [°]:	
Material temperature [°C]:	☐ 0–40 ☐ other: _____		
Material properties:	☐ free-flowing ☐ medium-flowing ☐ poor-flowing ☐ dusty ☐ abrasive ☐ friable ☐ sticky ☐ cohesive (caking) ☐ hanging up, bridging ☐ hygroscopic ☐ aeratable (flooding) ☐ toxic ☐ chemically aggressive (corrosive) ☐ intended for food contact / pharmaceutical product		

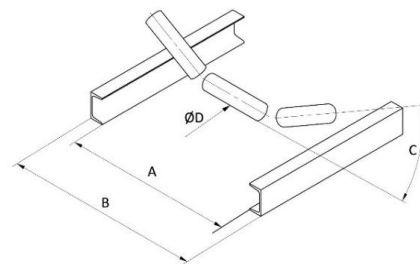
SCALE

Preferred scale type:	☐ WPL – compact ($\pm 1-2\%$) ☐ WPC1 – universal ($< \pm 0.5\%$) ☐ WPC2 – highest accuracy ($< \pm 0.25\%$) ☐ to be selected by InterProcess
Scale category:	☐ process (for internal purposes) ☐ legal-for-trade (verified) → accuracy class: ☐ 0.5 ☐ 1 ☐ 2
Application:	☐ recording / balancing ☐ loading ☐ flow rate control ☐ stream proportioning (blending) ☐ batch feeding
Required weighing accuracy [$\pm\%$]:	_____ (over 20–100% of measuring range)
Construction:	☐ carbon steel, polyester powder-coated (standard) ☐ galvanised steel ☐ C5 paint system to EN ISO 12944 ☐ stainless steel 1.4301 (AISI 304)

CONVEYOR

If possible, please attach a technical drawing and/or photo of the conveyor. Attached: ☐ no ☐ yes

Capacity [t/h]:	min.: _____	nom.: _____	max.: _____
Material feed:	☐ uniform ☐ variable		
Belt speed [m/s]:	min.: _____	max.: _____	☐ variable
Belt width [mm]:			
Conveyor length (centres) [m]:			
Tail pulley diameter [mm]:			
Idler spacing [mm]:			
Belt thickness [mm]:			
Conveyor enclosed:	☐ no ☐ yes		
Idler set (see drawing):	A [mm]: _____	B [mm]: _____	
	troughing angle C [°]: _____		idler roll ØD [mm]: _____



Conveyor inclination:	☐ horizontal ☐ fixed: _____° ☐ variable: _____° ☐ conveyor with vertical curve
Belt type:	☐ flat ☐ with corrugated sidewalls ☐ with cleats
Belt splice:	☐ vulcanised ☐ mechanical (fasteners) scraper / belt cleaning: ☐ no ☐ yes
Idler set shape:	☐ flat ☐ 2-roll trough (V) ☐ 3-roll trough (U)
Belt tensioning:	☐ gravity (automatic) ☐ screw ☐ spring
Conveyor support structure:	☐ channel sections ☐ tubular ☐ hollow sections ☐ with garland idlers ☐ bolted ☐ welded ☐ mobile conveyor (movable structure)
Conveyor access:	(viewed in belt travel direction) ☐ from left ☐ from right ☐ from both sides

OPERATING ENVIRONMENT

Ambient temperature [°C]:	☐ 0–40 ☐ other:
Installation site:	☐ indoors ☐ outdoors, under cover ☐ outdoors, uncovered
ATEX – explosion hazard zone:	☐ no ☐ yes → please specify below:
gases, flammable liquid vapours	zone: ☐ 0 ☐ 1 ☐ 2 explosion group and temperature class:
combustible dusts	zone: ☐ 20 ☐ 21 ☐ 22
dust parameters	dust explosion class: ☐ St 1 ☐ St 2 ☐ St 3 ☐ conductive dust (IIIC) minimum ignition energy [mJ]: min. ignition temp. [°C] – dust cloud: 5 mm dust layer:

INTEGRATOR AND CONTROL SYSTEM

Integrator (controller) mounting:	☐ wall ☐ panel ☐ DIN rail supply: ☐ 230 V AC ☐ 24 V DC
Scale-to-integrator distance [m]:	
Belt speed sensor:	☐ in scope of supply ☐ existing – type:
Functions and outputs:	☐ analogue output 4–20 mA ☐ pulse output (totaliser) ☐ remote display ☐ flow rate control (PID) ☐ batching ☐ data logging
Communication:	☐ Modbus TCP ☐ Modbus RTU ☐ EtherNet/IP ☐ PROFIBUS DP ☐ PROFINET ☐ other:

INSTALLATION SITE AND ADDITIONAL REMARKS

Description of scale and conveyor installation site (e.g. upstream and downstream equipment, available space and operator access, method of mounting, available utilities):

Additional remarks/requirements (e.g. process description, special requirements, scope of supply, documentation, installation, commissioning):

If possible, please attach drawings, a plant layout or photos of the installation site and the material safety data sheet (SDS).