



## FEATURES

- + A precision centrally cross supported 2 point conveyor weigh frame suitable for tight and complex applications
- + Direct force measurement (no lever arms, pivots or bearings)
- + 2 load cells
- + 1 - 2 idler weighlength
- + Certified as Legal for Trade
- + Accuracy up to 0.5%
- + Individually engineered/custom designed
- + Designed for minimal material build up
- + Solid mild steel construction or stainless steel for extreme environments
- + Galvanised and/or painted to customer specification
- + Australian made

# PCX 2

## PRECISION CENTRALLY CROSS SUPPORTED BELT WEIGHER

RELIABLE WEIGHING IN TIGHT SPACES

### CONTROLLER

#### MODEL MaVIS ICS ARM

The Intelligent Cargo Scale is one of the most advanced multifunctional weighing electronics in the world.



# PCX 2

## PRECISION CENTRALLY CROSS SUPPORTED BELT WEIGHER

### TRADE CERTIFICATIONS

#### AUSTRALIA

National Measurement Institute Class 1

#### CE (FOR ELECTRONICS)

Attestation of Conformance  
Nos. 46736.3 & .4

### SPECIFICATIONS

#### WEIGH FRAME MODEL PCX2

Weigh Length	100mm – 2,000mm
Belt Width	300mm – 3,000mm
Weigher Capacity	1 tph – 50,000 tph
Accuracy (typical)	0.5% to 2%
Accuracy Range (typical)	10% – 120% Full Scale
Conveyor speed (typical)	0.5mps – 6.0mps
Material	Mild Steel (Option Stainless Steel)
Surface Finish	Painted to order and/or Hot Dip Galvanised

#### LOAD CELLS

Number 2	Precision Shear Beam, 2,000 divisions
Type - Standard (Tool Steel, Nickel Plated)	Precision Shear Beam, 2,000 divisions
Type - Optional	(Certified, 3000 divisions) Stainless Steel, Single Point, Bending Beam
Environmental Protection	IP67
Safe Load Limit	150% of Rated Capacity
Pod Cover Material	Stainless Steel
Junction Box Material - standard	Powder Coated Mild Steel
Junction Box Material - optional	Stainless Steel or Plastic

#### IDLER SETS

Number of Weigh Idlers	1 – 2
Number of Lead-in/Lead-out Idlers Minimum/Standard/Maximum	1/2/3
Idler Spacing	200mm – 1,000mm
Trough Angle	0° to 60°
Material	Mild Steel (Option Stainless Steel)
Surface Finish	Painted to order and/or Hot Dip Galvanised

#### CERTIFIED CALIBRATION MASS OPTIONS

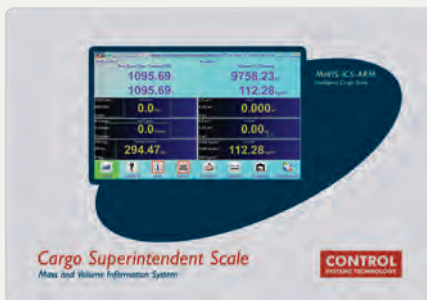
Stored-in-place Masses	Lifted by lever or gearbox
Hand Masses	10kg or 16kg Masses and Support Tray
Chain Mat	Stored above conveyor, or remotely
Roller Chains	Stored above conveyor, or remotely

#### OPERATIONAL TEMPERATURE RANGE

Standard	-10°C to +40°C
Optional	-40°C to + 50°C

## CONTROLLER

### MODEL MaVIS ICS ARM



The Intelligent Cargo Scale is one of the most advanced multifunctional weighing electronics in the world. It has the following capabilities and configurations.

- + 1 IntelliRoll network
- + 1 or 2 belt weighers or
- + 1 or 2 bins scales, or
- + 1 Belt weigher and 1 bin scale

#### plus

- + 1 or 2 flow controllers
- + High reliability dual in-line belt weigher
- + Loss in weight systems
- + Trade Certified Applications
- + Integrated Laser Scanner for Bulk Density Measurement
- + Many communication protocols available including Modbus TCP etc.

## BELT WEIGHER PERIPHERALS

### MODEL SIP\*

#### STORED IN PLACE CALIBRATION MASS

- + Lever or gearbox operated for ease of use (mechanical advantage system)
- + 100% of full scale design load (International Best Practice)
- + Highly accurate, fast and simple calibration check
- + Significant OH&S benefits - avoids back and finger injuries
- + Retrofit available for all makes of belt weighers



### MODEL WQI-AP\*

#### WEIGH QUALITY IDLER WITH ADJUSTABLE PROFILE

- + Purpose built weigh quality idler frames
- + Rigid construction for low deflection
- + Idler alignment by CST designed SmartCam for precision and ease of adjustment and permanent setting on frame
- + Roll change without re-alignment
- + High wing idler clearance to stringers prevents material jamming which affects weigher accuracy



### MODEL PPC\*

#### PRECISION PRECALIBRATED TACHOMETER

- + Spring loaded to drive on underside of carry belt
- + 1m circumference
- + Self cleaning
- + Large diameter for long accuracy life



### MODEL BTS\*

#### BASIC TAIL PULLEY TACHOMETER

- + Inductive Proximity sensor mounted at existing pulley
- + Use large diameter non slip pulley
- + Industry standard proximity sensor
- + Welded Steel Targets can be supplied



\* Other options available

## CONTROL SYSTEMS TECHNOLOGY

### SYDNEY

47 Fitzpatrick St  
Revesby NSW 2212  
Australia

**T:** +61 2 8708 0200  
**F:** +61 2 8708 0280

### PERTH

Unit 17/386  
Scarborough Beach Rd  
Osborne Park WA 6017  
Australia

**T:** +61 8 9485 1205  
**F:** +61 8 9485 1206

### QUEENSLAND

25 Connors Rd  
Paget QLD 4780  
Australia

**T:** +61 7 4952 1580  
**F:** +61 7 4952 4608

### HUNTER VALLEY

**M:** 0409 963 470

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### SERVICES AUSTRALIA WIDE

**T: 1300 784 449**

Control Systems Technology Pty Ltd service all brands of belt weighers at sites all over Australia and overseas.

Well trained technicians provide thorough recalibrations, trade verifications, audits and repairs to ensure equipment is performing as it should and to confirm the results are accurate.