InnovativeTrainWeighingTechnology

TRACK WEIGH

TheLowestcostTrainWeighingSystemintheWorld,byfar.UKManufacturedbyExpertsinTrainWeighingTechnology.Available GloballyforallRailandTrainCombinations.

MainFeatures.

No FoundationsRequired.NoNewRails.No Specialist WorkRequired.

- Lowcost.
- Portable or Static.
- Easyand simpletoinstall1Hour, and10minutestodecommission.
- Can besold as akit,for self-installand fittedwithminimalguide.
- Nofoundationsrequired.
- Noalterationstothetrack,i.e.no welding,cutting
- Uniqueweighingmodulescan fit onto anyknowntrack.
- High accuracydynamicweighingin bothdirections,0.5%or better.
- Majorcostsavingsovertraditionalinlinesystems.
- Lowcostmaintenance.VirtuallyNil.
- Preventsover-loads andunder-loadsof trains.
- Trains can beloadedtotheircapacitywithhigh accuracyweighing.
- Nounderloadedwagons,saving hugeexpense.
- Easy touseand OptionalFullyAutomated.
- Everyindividualwheel,axleand wagon weight canbe shown.
- Tagsystemcompatible.
- Weightterminal has easytransferof data (USBPDAetc.)or printdirecttoanattachedprinter.
- Lightweight,lessthan20kg for theentiresystem.

Dynamic–InMotionPortableTrainWeighing.

Installationtime1hour/ valtime20mins. Only echnicianrequired.

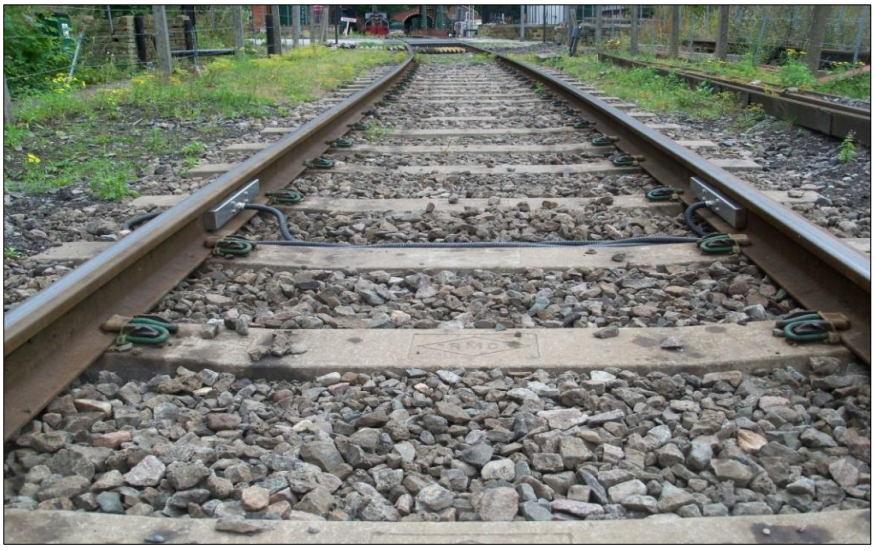
Noneed forfoundations,thescalesimplyconnectstotherail**without**cutting,orwelding etc. Noalterations in anywaytotheexistingtrack.

Nospecialised toolsrequired.

Thescalefitsany railtrackwith aminimalinternalwebclearanceof60 mm,nospecial

adaptersrequiredforuseon otherrails, inessencethescalecouldbefitted in “flatbottomrail113a”thenmovedto “bull head rail95lb”in under2hrs withonlya calibration checkneeded!

A lowcostTrain Weighbridge that givesthe customerfullconfidence inweighing accuracy.TheTrack WeighinMotionPortableorFixedTrain Weighsystem can befitteddirectlyto yourexistingtrack without theneed forexpensivetrackalterations.Thedesignofour TrackWeigh in MotionPortableor fixedTrainWeighsystem allowsforweighing accuracyof0.5%-1.0%dependentontrackconditions.Withnopartsof theTrackWeighinMotionTrain Weigh systemcomingintocontactwith thetrainduring theweighing processthis givesan evengreaterconfidence inthelongevity oftheWeigh system.Plusnochance ofimpactdamageto eitherthetrain or theUnit.



TrackWeighsetup forDynamic weighing.

STATICWEIGHINGhastheoptionofbeingusedasa “staticweighbridge” multipleweigh unitscan befittedunder eachwheelof thewagonmaking alowcostsolutiontoa potentiallyexpensive one. Wagonscould beloaded in situwith thetrain scalestillhavingtheoptionto weigh in dynamicmode.Thescalemayrequire movement ofsleeperstoaccommodatethe scales,nofoundationsarerequired.

Ideallythispart ofour TrackWeigh range issuited totheaccurateweighing of individualunits,whetherthatbeloco’s orwagons in atestyardorforthefilling ofwagonsunder a hoppertypesystem. As therequirementsofeachindividualcustomerva ryastowhattheyneedfromtheirTrackWeigh StaticWeigh Bridgewetailormakethesystemto suit.

StaticWeighbridge forfillingwagons.

TheTrack Weigh StaticWeigh Bridge can befixeddirectly to yourexistingtrackwithoutthe needforexpensivetrackalterations.Thedesi gn ofour Track WeighStaticTrainWeighBridgeallowsforwe ighing accuracyof0.5% - 1.0%dependentontrackconditions

Load cellsundereachwheel tobeweighed.

CARDINAL WEIGHBRIDGE COMPANY SOUTH AFRICA(Pty) Limited

Registration number 2010/012155/07, VAT number 49002566
Trade Approval No. SA 1334 and SA SA1487a3

WEIGHTICKET

COMPANYNAME
Tel;xxxxxxxxxxxxxLoco
pulling/pushing
Train number
xxxxxxxxxxMaterialxxxxxxx
xxxxxxxCustomer
xxxxxxxxxxxxxWeighingtim
e xxxxxxxxxx
Date xxxxxxxxxxxTimexxxxxxxx

Axle 1	wheel1 12.00 wheel2 12.00 total	24.00t
Axle 2	wheel1 12.00 wheel2 12.20 total	24.20t
Axle 3	wheel1 12.20 wheel2 12.30 total	24.50t
Axle 4	wheel1 13.00 wheel2 12.62 total	
	25.62tWagon total	98.32t
		24.00t
Axle 5	wheel1 12.00 wheel2 11.50 total	24.20t
Axle 6	wheel1 12.20 wheel2 12.00 total	24.50t
Axle 7	wheel1 12.20 wheel2 12.30 total	25.42t
Wagon total		98.12t
Axle 9	wheel1 11.80 wheel2 12.20 total	24.00t
Axle 10	wheel1 12.50 wheel2 12.20 total	24.70t
Axle 11	wheel1 12.20 wheel2 12.30 total	24.50t
Axle 12	wheel1 13.20 wheel2 12.60 total	
		25.62t
Wagon total		98.82t

Train speed3 mph

Our TrackWeigh Indicatorallowsfortheweighing of fullyloadedtrainsweights,individual wagonweights,individual axleweightsandevenindividual wheelweights.Allweighing resultsare stored in theTrackWeigh Indicator andcanbe eitherprinted/down loadedtoacomputer(excelbasedspread sheet)or transferred toamemorystick or anyfollowing alternatives.,USB,WIFI,PDA,RS232,RS485orsimplyprintout directto theoptionalprinter

Ticketand Data outputcan becustomised toSuityourrequirements

Thesystemcan berunon batteriesormainspower,making thescaleveryversatileforhard toreach locations.TheSystemisbuilttowithstand theharshestenvironments,fromArticcon ditionsto theheatof thehottestTropicalclimates.
GSE 562

OptionalPortable Cased Indicatorand Printer.

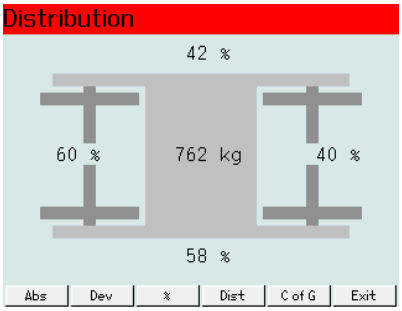
STOP DERAILMENT IN ITS TRACKS!

THEDERAILMENTPROTECTIONSYSTEM(DPS)

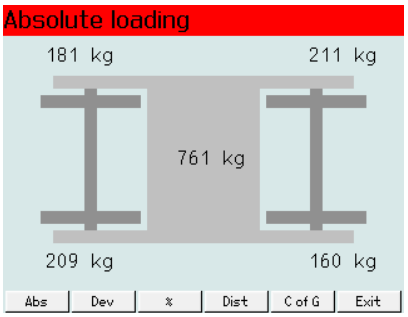
TheDPS isan unmanned ormannedsystemthatcan identifyindividual wheelloadings.Thesystemwill raisean alarmif anywheelsor axlesareoutof apre-set toleranceinputbytheuser.

Health and Safetyis optimisedwiththeDPS'built in Centreof Gravitysystem.Thismakesidentifying loaderrors,wheeland suspension faultsquick and simplepriortotrainsleaving thedepot.

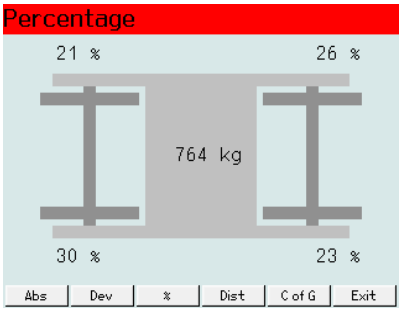
TheDPSSystemisespeciallyuseful forproviding peace ofmindthat thetrain,carriagesand cargoare safe.All datacan bestored internallyontheDPSfordownloading toa PCorUSBstick and/orprinted for recordsof thereadings to besignedoff and stored forfuturereference.Therecordeddata can easilybeintegratedinto ISO quality systems.



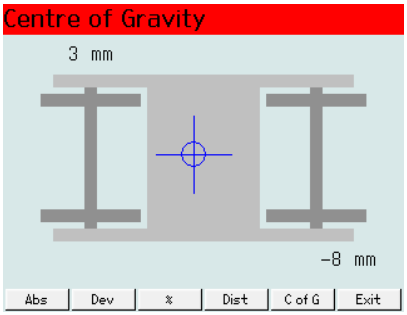
Displaystheweightpercentageloading ofeachaxle.



Displaystheactualweightdistributedon toeachwheel.



Displaystheweightpercentageloading oneachwheel.



DisplaystheCentreofGravityoneach wheel.

Errorswill automaticallyflag up at theendof thereportidentifyingthewheel/wheels, axles, wagonsoutsidetolerance.

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