SERIES 10-101-IDEA-R1 (1 idlers station) - BELT SCALE

SERIES 10-101 IDEA R1 + MICRO-TECH BELT SCALES (No ATEX, No MID)

Ramsey belt scale Series IDEA, by Thermo Scientific

Single weigh sensor designed to support n.1 idlers station, Thermo Ramsey's factory preassembled to be installed very easily on belt conveyors For belts having width < 600 mm (for belts having width < 1.600 mm it is possible to combine n.2 sensors) Weighing assembly composed by:

- n.1 module made by cast aluminium c/w stainless steel blades; n.1 steel cover, painted:

n.1 siger cover, painted,
 n.1 high precision load cell (stainless steel, IP68, C3, 3 mt cable);
 each module is complete with n.1 mt of flexible conduit with PG9 galvanized steel cable glands;
 n.1 digital speed pick-up (SPU) model 60-12 (or equivalent);

• n.1 signal speed pick-up (set of index to 12 (or equivalent), • n.1 junction box model IT8041PD, polycarbonate, IP54, for cable connections of two (2) load cells and one (1) speed pick-up; • n.1 microprocessor control unit, model Micro-Tech 9101F (p/n 136033), field mount IP66 (NEMA-4X) enclosure, 98+230Vac, 50-60 Hz. Comes standard with (4) programmable relè out, (2) optoinsulated digital in, (1) digital static out (FAIL or pulse), (1) Ethernet 100baseT, RJ45 interface, (1) serial out

R5232/R5485 multidrop Modbus/RTU, Modbus/TCP, Ethernet/IP, (1) integrated USB, (3) programmable opto-insulated digital in and (4) optional expansion slots, available software languages: English, Spanish, German, Italian, French, Chinese simplified;

PART NO	SHORT DESCRIPTION	ADD INFO	
10101-IDEA-R1-BLANK-XXX	SINGLE IDEA "BLANK" MODULE (Load cell's capacity depends on the application)		
-	IDLER MOUNTING SUPPORT NOT INCLUDED ("BLANK")		
6012C	SPU (6012C)	BW up to 600 mm	
IT8041PD	JB (IT8041PD)		
136033	MT 9101F (p/n 136033)		
PART NO	SHORT DESCRIPTION	ADD INFO	
10101-IDEA-R1-BLANK-XXX	SINGLE IDEA "BLANK" MODULE (Load cell's capacity depends on the application)		
508445	IDLER MOUNTING SUPPORT - "EU" STYLE (plate to weld idlers station's frame)		
6012C	SPU (6012C)	BW up to 600 mm	
IT8041PD	JB (IT8041PD)		
136033	MT 9101F (p/n 136033)		
PART NO	SHORT DESCRIPTION	ADD INFO	
10101-IDEA-R1-BLANK-XXX	SINGLE IDEA "BLANK" MODULE (Customer to specify load cell's capacity)		
508443	IDLER MOUNTING SUPPORT - "N.AM" STYLE (plate 209,6x222,3 mm with clamp)		
6012C	SPU (6012C)	BW up to 600 mm	
IT8041PD	JB (IT8041PD)		
136033	MT 9101F (p/n 136033)		

SERIES 10-101 IDEA R1 + CK101 - COMPLETE SYSTEMS (No ATEX, No MID)

Ramsey belt scale Series IDEA, by Thermo Scientific Single weigh sensor designed to support n.1 idlers station, Thermo Ramsey's factory preassembled to be installed very easily on belt conveyors For belts having width < 600 mm (for belts having width < 1.600 mm it is possible to combine n.2 sensors)

Weighing assembly composed by: - n.1 module made by cast aluminium c/w stainless steel blades;

- n.1 steel cover, painted;

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I.1 sign receiption load cell (stainless steel, IP68, C3, 3 mt cable);
 - ach module is complete with n.1 mt of flexible conduit with PG9 galvanized steel cable glands;
 - n.1 proximity speed pick-up (SPU) model 60-12P (or equivalent);
 - n.1 protion box model IT8041PD, polycarbonate, IP54, for cable connections of two (2) load cells and one (1) speed pick-up;

- n.1 microprocessor control unit, model CK101F (p/n CK101FR240VAC), field mount IP65 (NEMA-4X) enclosure, 100+230Vac. Comes standard with (4) programmable relè out, (1) optoinsulated digital in, (1) digital static out (FAIL or pulse), (1) Ethernet 10baseT (Modbus TCP/IP), (1) indipendent optoinsulated digital in and (1) optional expansion slot;

working temperature (°C): -10 ÷ +50 (not condensing).

SHORT DESCRIPTION	ADD INFO	
SINGLE IDEA "BLANK" MODULE (Customer to specify load cell's capacity)		
IDLER MOUNTING SUPPORT NOT INCLUDED ("BLANK")		
SPU (6012C)	BW up to 600 mm	
JB (IT8041PD)		
INTEGRATOR (CK101FR240VAC)		
	-	
	ADD INFO	
SINGLE IDEA "BLANK" MODULE (Customer to specify load cell's capacity)		
IDLER MOUNTING SUPPORT - "EU" STYLE (plate to weld idlers station's frame)		
SPU (6012C)	BW up to 600 mm	
JB (IT8041PD)		
INTEGRATOR (CK101FR240VAC)		
	ADD INFO	
SINGLE IDEA "BLANK" MODULE (Customer to specify load cell's capacity)		
IDLER MOUNTING SUPPORT - "N.AM" STYLE (plate 209,6x222,3 mm with clamp)		
SPU (6012C)	BW up to 600 mm	
JB (IT8041PD)	-	
	SINGLE IDEA "BLANK" MODULE (Customer to specify load cell's capacity) IDLER MOUNTING SUPPORT NOT INCLUDED ("BLANK") SPU (6012C) JB (IT8041PD) INTEGRATOR (CK101FR240VAC) SINGLE IDEA "BLANK" MODULE (Customer to specify load cell's capacity) IDLER MOUNTING SUPPORT - "EU" STYLE (plate to weld idlers station's frame) SPU (6012C) JB (IT8041PD) INTEGRATOR (CK101FR240VAC) SINGLE IDEA "BLANK" MODULE (Customer to specify load cell's capacity) IDLER MOUNTING SUPPORT - "N AM' STYLE (plate 209,6x222,3 mm with clamp) SPU (6012C)	SINGLE IDEA "BLANK" MODULE (Customer to specify load cell's capacity) IDLER MOUNTING SUPPORT NOT INCLUDED ("BLANK") BW up to 600 mm SPU (6012C) JB (TR041PD) INTEGRATOR (CK101FR240VAC) BW up to 600 mm SINGLE IDEA "BLANK" MODULE (customer to specify load cell's capacity) ADD INFO SINGLE IDEA "BLANK" MODULE (customer to specify load cell's capacity) BW up to 600 mm IDLER MOUNTING SUPPORT - "EL" STYLE (plate to weld idlers station's frame) BW up to 600 mm SPU (6012C) BW up to 600 mm IDLER MOUNTING SUPPORT - "EL" STYLE (plate to weld idlers station's frame) BW up to 600 mm SPU (6012C) BW up to 600 mm BUTGRATOR (CK101FR240VAC) SINGLE IDEA "BLANK" MODULE (Customer to specify load cell's capacity) BU INFO SINGLE IDEA "BLANK" MODULE (Customer to specify load cell's capacity) ADD INFO SINGLE IDEA "BLANK" MODULE (Customer to specify load cell's capacity) ADD INFO SINGLE IDEA "BLANK" MODULE (Customer to specify load cell's capacity) BU up to 600 mm JDLER MOUNTING SUPPORT - "NAM" STYLE (plate 209,6x222,3 mm with clamp) BW up to 600 mm

S IDEA R1 - BAS IC OPTIONS FOR MECHANICAL PAR

PART NO	MODEL NO.		
148763	SS AISI 304 COVER FOR 10-101RZ		
10-XX-SET/SPESSORI-MIX	SET OF SHIMS TO ALIGN THE BELT SCALE - Same as p/n 003141		
ATEX 22 (consult Factory)	SYSTEM SUITABLE FOR INSTALLATION IN ATEX ZONE 22 (LC, JB, SPU and MT or CK -MET)		
ATEX 21 (consult Factory)	SYSTEM SUITABLE FOR INSTALLATION IN ATEX ZONE 21 (LC, JB, SPU and MT-MET)		
SERIES 10-101RZ - PACKING			
Cardboard box for truck transport of n°1 BS 10-101-IDEA-R1			

PART NO LARGE QUANTITIES

ling req

1, for 10-101-RZ1: applications with loads <7 kg (16,5 lbs) or >115 kg (250 lbs) require factory review;
 2, minimum net weight must be greater than 15% of load cell capacity;
 3, maximum net weight must not exceed 85% of load cell capacity;
 4, Weight includes weight of idler, belt and material;

MODEL NO. N.2 CARDBOARD BOXES - STD - 50x40x30(h) CM (each) - GROSS WEIGHT ~28 KG (total

CONSULT FACTORY

- 5. maximum idler spacing 1.200 mm (~46").

Note

1. 10-101-RZ1 requires a cross beam to support module and idler (excluded from Thermo Fisher Scientific supply).

SERIES IDEA R1 - SUPPORT CROSS BEAM			
PART NO	MODEL NO.		
10101RZ/LPSS-TRAV/FE/650	SUPPORT CROSS BEAM (Fe) TO FIX 10-101RZ/LPSS ON CONVEYORS HAVING BW < 650 MM		
10101RZ/LPSS-TRAV/304/650	SUPPORT CROSS BEAM (Aisi 304) TO FIX 10-101RZ/LPSS ON CONVEYORS HAVING BW < 650 MM		
10101RZ/LPSS-TRAV/316/650	SUPPORT CROSS BEAM (Aisi 316) TO FIX 10-101RZ/LPSS ON CONVEYORS HAVING BW < 650 MM		







SERIES 10-101-IDEA-R2 (1 idlers station) - BELT SCALE

SERIES 10-101 IDEA R2 + MICRO-TECH BELT SCALES (No ATEX, No MID)

Ramsey belt scale Series IDEA, by Thermo Scientific Dual weigh sensors designed to support n.1 idlers station, Thermo Ramsey's factory preassembled to be installed very easily on belt conveyors For belts having with th 1.600 mm (for belts having width < 600 mm it is possible to use n.1 single sensor)

Weighing assembly composed by:

n.2 modules made by cast aluminium c/w stainless steel blades;

- n.2 steel covers, painted;





- n.2 steel covers, painted;
- n.2 high precision load cells (stainless steel, IP68, C3, 3 mt cable);
- n.2 high precision load cells (stainless steel, IP68, C3, 3 mt cable);
- n.2 high precision load cells (stainless steel, IP68, C3, 3 mt cable);
- n.2 high precision load cells (stainless steel, IP68, C3, 3 mt cable);
- n.2 high precision load cells (stainless steel, IP68, C3, 3 mt cable);
- n.2 high precision load cells (stainless steel, IP68, C3, 3 mt cable);
- n.1 digital speed pick-up (SPU) model 60-12 (or equivalent);
- n.1 digital speed pick-up (SPU) model 60-12 (or equivalent);
- n.1 microprocessor control unit, model Micro-Tech 9101 F (p/n 136033), field mount IP66 (NEMA-4X) enclosure, 98+230Vac; 50-60 Hz. Comes standard with (4) programmable rele out, (2) optionsulated digital in, (1) digital static out (FAL or puise), (1) etternet 10baseT, RM5 interface, (1) serial out R522/RA84S multicrop Modbus/RTU, Modbus/RTC, Etternerk/PL (1) intergrated USB, (3) programmable opto-insulated digital in and (4) optional expansion slots, available software languages: English, Spanish, German, Italian, French, Chinese simplified;

SHORT DESCRIPTION	ADD INFO	
DUAL IDEA "BLANK" MODULES (Load cell's capacity depends on the application)	BW/ up to 1 600 mm	
BRACKETS TO FIX IDEA MODULES TO THE STRUINGERS OF THE CONVEYOR (LEFT/RIGTH)		
IDLER MOUNTING SUPPORTS NOT INCLUDED ("BLANK")		
SPU (6012C)	Bw up to 1.000 mm	
JB (IT8041PD)		
MT 9101F (p/n 136033)		
SHORT DESCRIPTION	ADD INFO	
DUAL IDEA "BLANK" MODULES (Load cell's capacity depends on the application)		
BRACKETS TO FIX IDEA MODULES TO THE STRUINGERS OF THE CONVEYOR (LEFT/RIGTH)		
IDLER MOUNTING SUPPORTS - "EU" STYLE (plate to weld idlers station's frame)	DW/ 4- 4-000	
SPU (6012C)	BW up to 1.600 mm	
JB (IT8041PD)		
MT 9101F (p/n 136033)		
SHORT DESCRIPTION	ADD INFO	
	DW/ 4- 4 600	
SPU (6012C)	BW up to 1.600 mm	
JB (IT8041PD)		
MT 9101F (p/n 136033)		
	ADD INFO	
DLER MOUNTING SUPPORTS - "N.AM+CAL" STYLE (plate 64x222,3 mm c/w clamp + support for weights)	PM/ up to 600 mm	
SPU (6012C)	Byy up to 600 mm	
JB (IT8041PD)		
	DUAL IDEA TELANIC MODULES (Load cell's capacity depends on the application) BRACKETS TO FIX IDEA MODULES TO THE STRUMGERS OF THE CONVEYOR (LEFT/RIGTH) IDLER MOUNTING SUPPORTS NOT INCLUDED ('BLANIC') SPU (6012C) BRU(6012C) MT 9101F (ph 136033) SHORT DESCRIPTION DUAL IDEA TELANIC MODULES (Load cell's capacity depends on the application) BRACKETS TO FIX IDEA MODULES TO THE STRUINCERS OF THE CONVEYOR (LEFT/RIGTH) IDLER MOUNTING SUPPORTS - FCU 771LE (plate to weld idens station's frame) SPU (6012C) JB (17804/PD) MT 9101F (ph 136033) SHORT DESCRIPTION DUAL IDEA TELANIC MODULES (Load cell's capacity depends on the application) BRACKETS TO FIX IDEA MODULES (Load cell's capacity depends on the application) BRACKETS TO FIX IDEA MODULES TO THE STRUINCERS OF THE CONVEYOR (LEFT/RIGTH) JB (17804/PD) MT 9101F (ph 136033) SHORT DESCRIPTION DUAL IDEA TELANIC MODULES (Load cell's capacity depends on the application) SPU (6012C) JB (17804/PD) MT 9101F (ph 136033) SHORT DESCRIPTION DUAL IDEA "BLANIC' MODULES (Cad cell's capacity depends on the application) BRACKETS TO FIX IDEA MODULES TO THE STRUINGERS OF THE CONVEYOR (LEFT/RIGTH) JDLER MOUNTING SUPPORTS - "NAMI'S TYLE (plate 64/222.3 mm with clamp) SPU (6012C) JB (17804/PD) MT 9101F (ph 136033) BHORT DESCRIPTION DUAL IDEA "BLANIC' MODULES (Load cell's capacity depends on the application) BRACKETS TO FIX IDEA MODULES (LOAD CERTING THE CONVEYOR (LEFT/RIGTH) BRACKETS TO FIX JDA MACH.X'S TYLE (plate 64/222.3 mm ovir dump + support for weight) DUAL IDEA "BLANIC' MODULES (LOAD CERTING THE CONVEYOR (LEFT/RIGTH) BRACKETS TO FIX IDEA MODULES (LOAD CERTING THE CONVEYOR (LEFT/RIGTH) BRACKETS TO FIX JDA MACH.X'S TYLE (plate 64/22.3 mm ovir dump + support for weight)	DUAL IDEA TELANIC MODULES (Load cells capacity depends on the application) Intervention BRACKETS TO FIX IDEA MODULES TO THE STRINGERS OF THE CONVEYOR (LEFT/RIGTH) IDLER MOUNTING SUPPORTS NOT INCLUDED ("BLANK") BW up to 1.600 mm B (IT804/FDD) MT 9101F (ph 130033) BW up to 1.600 mm BRACKETS TO FIX IDEA MODULES (To deal's capacity depends on the application) BW up to 1.600 mm BRACKETS TO FIX IDEA MODULES (To deal's capacity depends on the application) BW up to 1.600 mm BRACKETS TO FIX IDEA MODULES (To deal's capacity depends on the application) BW up to 1.600 mm BRACKETS TO FIX IDEA MODULES (To deal's capacity depends on the application) BW up to 1.600 mm JB (IT804/FPD) JB (IT804/FPD) BW up to 1.600 mm JB (IT804/FPD) JB (IT804/FPD) BW up to 1.600 mm DUAL IDEA TELANIC MODULES (To the STRININGERS OF THE CONVEYOR (LEFT/RIGTH) BW up to 1.600 mm BRACKETS TO FIX IDEA MODULES TO THE STRININGERS OF THE CONVEYOR (LEFT/RIGTH) BW up to 1.600 mm DUAL IDEA TELANIC MODULES TO THE STRININGERS OF THE CONVEYOR (LEFT/RIGTH) BW up to 1.600 mm BRACKETS TO FIX IDEA MODULES TO THE STRININGERS OF THE CONVEYOR (LEFT/RIGTH) BW up to 1.600 mm JDLER MOUNTING SUPPORTS - N.AM' STYLE (plate 64x222.3 mm with clamp) BW up to 1.600 mm

SERIES 10-101 IDEA R2 + CK101 BELT SCALES (No ATEX, No MID)

Ramsey belt scale Series IDEA, by Thermo Scientific Single weigh sensor designed to support n.1 idlers station, Thermo Ramsey's factory preassembled to be installed very easily on belt conveyors For belts having width < 600 mm (for belts having width < 1.600 mm it is possible to combine n.2 sensors)

Weighing assembly composed by:



Weighing assembly composed by: - n.1 module made by cast aluminim c/w stainless steel blades; - n.1 steel cover, painted; - n.1 stiel cover, painted; - n.1 high precision load cell (stainless steel, IP68, C3, 3 mt cable); - each module is complete with n.1 mt of flexible conduit with PG9 galvanized steel cable glands. - n.1 proximity speed pick-up (SPU) model 60-12P (or equivalent); - n.1 pinction how model IT804UPD, polycarbonate, IP54, for cable connections of two (2) load cells and one (1) speed pick-up; - n.1 microprocessor control unit, model CX101F (p/n CX101FR240VAC), field mount IP65 (NEMA-4X) endosure, 100+230Vac. Comes standard with (4) programmable rele out, (1) optional expansion slot; - working temperature ("C]: -10 ÷ +50 (not condensing).

	SHORT DESCRIPTION	ADD INFO	
10101-IDEA-R2-BLANK-XXX	DUAL IDEA "BLANK" MODULES (Load cell's capacity depends on the application)		
056767	BRACKETS TO FIX IDEA MODULES TO THE STRUINGERS OF THE CONVEYOR (LEFT/RIGTH)	BW up to 1.600 mm	
	IDLER MOUNTING SUPPORT NOT INCLUDED ("BLANK")		
6012C	SPU (6012C)		
IT8041PD	JB (IT8041PD)		
CK101FR240VAC	INTEGRATOR (CK101FR240VAC)		
PART NO	SHORT DESCRIPTION	ADD INFO	
10101-IDEA-R2-BLANK-XXX	DUAL IDEA "BLANK" MODULES (Load cell's capacity depends on the application)		
056767	BRACKETS TO FIX IDEA MODULES TO THE STRUINGERS OF THE CONVEYOR (LEFT/RIGTH)		
508445 (x2)	IDLER MOUNTING SUPPORTS - "EU" STYLE (plate to weld idlers station's frame)		
6012C	SPU (6012C)	BW up to 1.600 mm	
IT8041PD	JB (IT8041PD)		
CK101FR240VAC	INTEGRATOR (CK101FR240VAC)		
		1	
PART NO	SHORT DESCRIPTION	ADD INFO	
10101-IDEA-R2-BLANK-XXX	DUAL IDEA "BLANK" MODULES (Load cell's capacity depends on the application)		
056767	BRACKETS TO FIX IDEA MODULES TO THE STRUINGERS OF THE CONVEYOR (LEFT/RIGTH)		
191076	IDLER MOUNTING SUPPORTS - "N.AM" STYLE (plate 64x222,3 mm with clamp)		
6012C	SPU (6012C)	BW up to 1.600 mm	
IT8041PD	JB (IT8041PD)		
CK101FR240VAC	INTEGRATOR (CK101FR240VAC)		
PART NO	SHORT DESCRIPTION	ADD INFO	
10101-IDEA-R2-BLANK-XXX	DUAL IDEA "BLANK" MODULES (Load cell's capacity depends on the application)		
	BRACKETS TO FIX IDEA MODULES TO THE STRUINGERS OF THE CONVEYOR (LEET/RIGTH)		
056767 191077	BRACKETS TO FIX IDEA MODULES TO THE STRUINGERS OF THE CONVEYOR (LEFT/RIGTH) IDLER MOLINTING SUPPORTS - "N AM+CAL" STYLE (plate 64/222 3 mm c/w clamp + support for weights)		
056767	IDLER MOUNTING SUPPORTS - "N.AM+CAL" STYLE (plate 64x222,3 mm c/w clamp + support for weights)	BW up to 600 mm	
056767 191077 6012C	IDLER MOUNTING SUPPORTS - "N.AM+CAL" STYLE (plate 64x222,3 mm c/w clamp + support for weights) SPU (6012C)	BW up to 600 mm	
056767 191077	IDLER MOUNTING SUPPORTS - "N.AM+CAL" STYLE (plate 64x222,3 mm c/w clamp + support for weights)	BW up to 600 mm	
056767 191077 6012C IT8041PD CK101FR240VAC	DLER MOUNTING SUPPORTS - 'N AM+CAL' STYLE (plate 64/222.3 mm c/w clamp + support for weights) SPU (8012C) JB (1780/14PD) INTEGRATOR (CK101FR240VAC)	BW up to 600 mm	
056767 191077 6012C IT8041PD CK101FR240VAC	IDLER MOUNTING SUPPORTS - 'N AM+CAL' STYLE (plate 64/222,3 mm c/w clamp + support for weights) SPU (8012C) JB ((T8041PD)	BW up to 600 mm	
056767 191077 6012C IT8041PD CK101FR240VAC	DLER MOUNTING SUPPORTS - 'N AM+CAL' STYLE (plate 64/222.3 mm c/w clamp + support for weights) SPU (8012C) JB (1780/14PD) INTEGRATOR (CK101FR240VAC)	BW up to 600 mm	
056767 191077 6012C IT8041PD CK101FR240VAC ERIES IDEA R2 - BASIC O	DLER MOUNTING SUPPORTS - 'N AM+CAL' STYLE (plate 64/222,3 mm c/w clamp + support for weights) SPU (6012C) JB (1780/41PD) INTEGRATOR (CK101FR240VAC) PTIONS FOR MECHANICAL PART	BW up to 600 mm	
056767 191077 6012C IT8041PD CK101FR240VAC ERIES IDEA R2 - BASIC O PART NO	DLER MOUNTING SUPPORTS - 'N AM+CAL' STYLE (plate 64x222,3 mm c/w clamp + support for weights) SPU (8012C) JB (T8041PD) INTEGRATOR (CK101FR240VAC) PTIONS FOR MECHANICAL PART MODEL NO.	BW up to 600 mm	
056767 191077 6012C IT8041PD CK101FR240VAC ERIES IDEA R2 - BASIC O PART NO 148763 (x2)	DLER MOUNTING SUPPORTS - 'N AM+CAL' STYLE (plate 64x222,3 mm c/w clamp + support for weights) SPU (8012C) JB (TB04FPD) INTEGRATOR (CK101FR240VAC) PTIONS FOR MECHANICAL PART MODEL NO. SS AISI 304 COVER FOR 10-101RZ	BW up to 600 mm	

SERIES 10-101RZ - PACKING

PART NO PACKING 10-101RZ2-XXX

LARGE QUANTITIES CONSULT FACTORY

Cardboard box for truck transport of n°1 BS 10-101-IDEA-R1

Belt loading requirements

f. for 10-101-R22: applications with loads <14 kg (33 lbs) or >300 kg (650 lbs) require factory review;
 2. minimum net weight must be greater than 15% of load cell capacity;
 3. maximum net weight must not exceed 65% of load cell capacity;
 4. Weight lincles weight of idler, beit and material;
 5. maximum idler spacing 1.200 mm (~46*).

MODEL NO. N.2 CARDBOARD BOXES - STD - 50x50x50(h) CM (each) - GROSS WEIGHT ~45 KG (total

Note

1. 10-101-RZ2 is supplied with heavy duty cast mounting brackets that mount directly to the conveyor stringers.