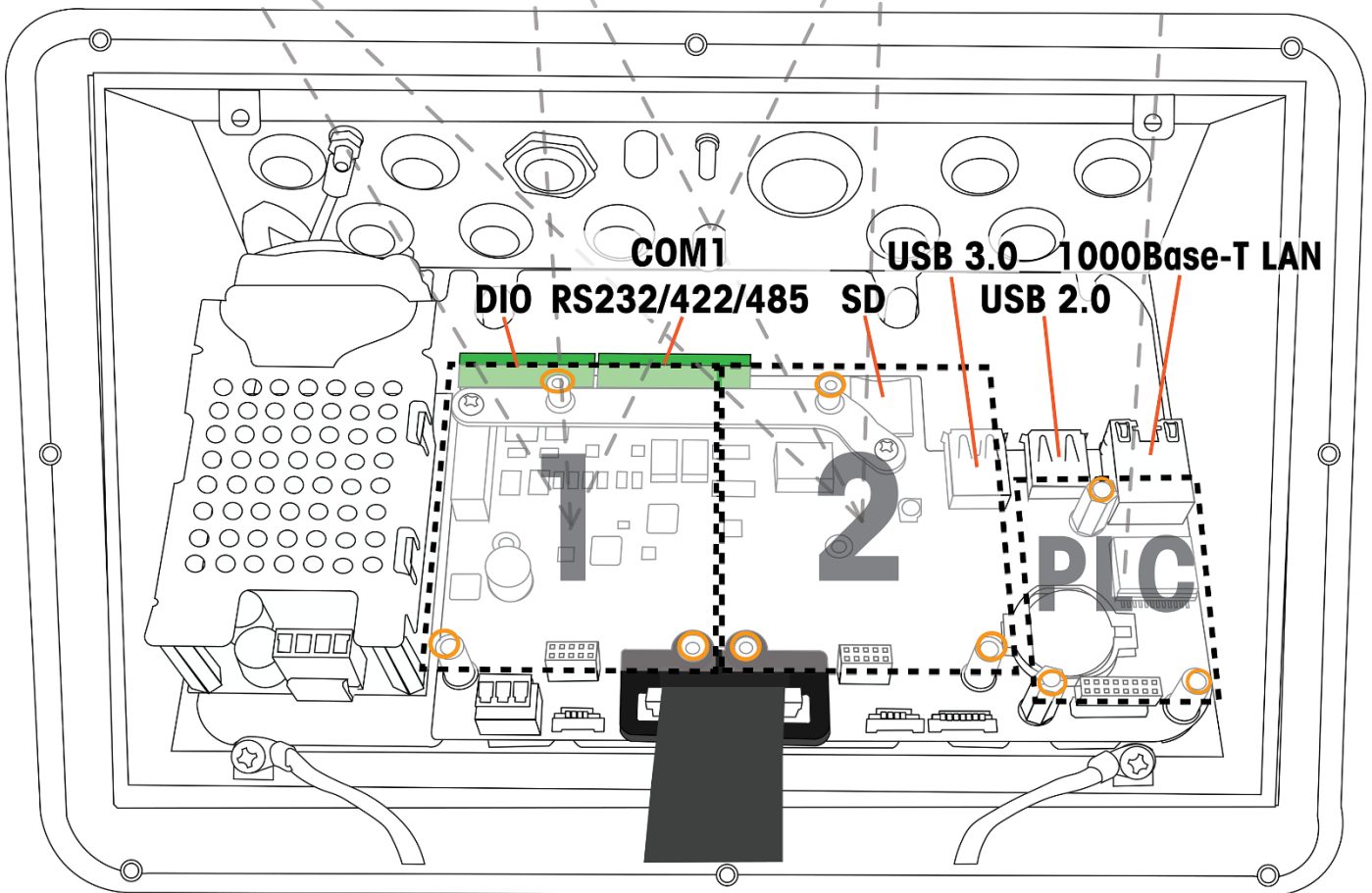
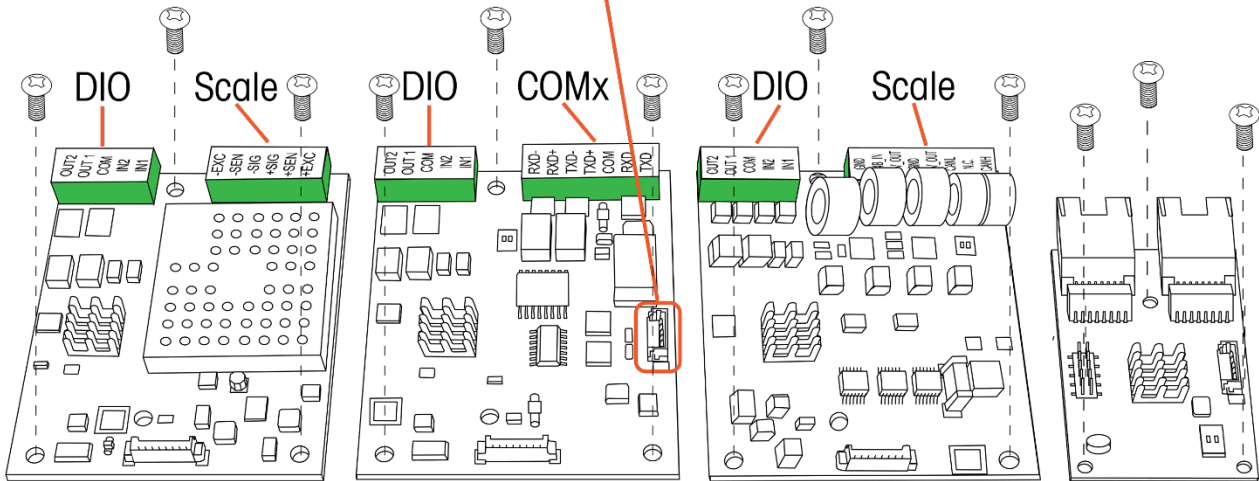


High Speed Analog Load Cell

Precision Scale

POWERCELL® / PowerDeck™

PLC PROFINET, EtherNet/IP



Note: If a single Option is installed, it must be placed in location 1.



30753892

IND700 Accessory Kit Location and Component Summary

Kit name	High Speed Analog	High Speed Analog, Hygienic	POWERCELL® PDX	PowerDeck™	Precision	COMx (M12)	COMx (gland)	PROFINET	EtherNet/IP
Kit #	3075331	30785332	30785333	30785334	30785335	30785336	30785337	30785338	30785339
Option location	1, 2	1, 2	1, 2	1, 2	1, 2	1, 2	1, 2	PLC	PLC
PCB w/. connectors	1	1	1	1	1	1	1	1	1
M12 Connector Harness				1	1	1		2	2
M12 Dustproof cap				1	1	1		2	2
Metal Gland (M16 x 1.5) (5-10)	1						1		
Metal Gland, (M16x1.5) (8-10), MS EMV AGRO			1						
Metal Gland (M16 x 1.5) (5-7.5) hygienic		1							
Gland cap	1						1		
Hygienic gland cap		1							
Sealing plug, 7.5-10		1							
Screws (M3 x 8)	3	3	3	3	3	3	3	3	3
Plastic socket for M16			1						
Crimp-on, yellow			1						
Crimp-on, red			1						
Hex nut, M4			1						
Grounding Harness			1						

Components


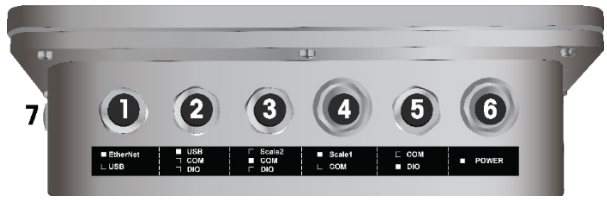
PCB with Connectors		Metal Gland (M16 x 1.5) (5-10)	Metal Gland (M16 x 1.5) (5-7.5, 7.5-10), Hygienic	Metal Gland, (M16x1.5) (8-10), MS EMV AGRO	M12 Connector Harnesses	Grounding Harness	M12 Dustproof cap	Gland Cap
								
M3 Screws 	Hex Nut 	Plastic socket for M16 	Hygienic gland cap 	Crimp-on, Red 	Crimp-on, Yellow 	Sealing plug, 7.5-10 		

Cable Kits

Cable M12 RS232 DB9 Female 3m 30785377	Cable Ethernet M12 x M to RJ45 3m 30785378	Cable Ethernet M12 x M to RJ45 10m 30785379	Cable Ethernet M12 x M to RJ45 20m 30785380	M12 Cable, RS232/422/485, 8P, 3m 30785381	DIO 12P M12 Cable 30726007	DIO 5P M12 Cable 30726011
						

IND700 Cable Opening Assignments

Note: The main board includes an 8-pin serial port connector, referred to as **COM1**. The Precision scale interface includes a 7-pin serial port connector, referred to as **COMx**. Both ports support RS232/RS422/RS485 serial communication.

	Location	Harsh 7", M12	Harsh 7", Gland	
 <p>Harsh 7" Enclosure (M12 or Gland)</p> <p>Possible Scale Interfaces 1 and 2:</p> <ul style="list-style-type: none"> • HSALC • POWERCELL (Vehicle or PowerMount) • PowerDeck • Precision 	1	PLC (always M12 connector)		
	2	PLC (always M12 connector)		
	3	Not used; M25 plug	USB, Ethernet	
	4	Scale 1, Optional COM		
	5	DIO2 on Scale 2, COMx*	Always an M16 gland installed, DIO on Scale 2	
	6	DIO1 on main board and on Scale 1		
	7	Ethernet	Not used; M16 plug	
	8	USB	Always an M16 gland installed, COMx†	
	9	Scale 2, Optional COM		
	10	COM1 (via 8-pin M12 connector)	COM1	
	11	Power		
 <p>Wedge Enclosure (M12), standard and hygienic</p> <p>Possible Scale Interfaces 1 and 2:</p> <ul style="list-style-type: none"> • HSALC • PowerDeck • Precision 	Wedge Enclosure, M12			
	1	Ethernet, USB		
	2	USB, DIO1 (all IO from main board and Scale 1) or DIO2 (Scale 2), COMx‡		
	3	Scale 2, COMx (M12 8-pin connector 7-pin, Precision board), DIO1 (all IO from main board and Scale 1)		
	4	Scale 1, Optional COM		
	5	DIO1 (all IO from main board and Scale 1), COM1		
	6	Power		
7	Standard version: M7 plug. Hygienic version: M7 GoreTex vent, not installed at factory..			

* COMx (cable harness with M12 connector), only possible if a Precision scale interface is installed as Scale 1.

† COMx (connector block via gland), only possible if a Precision scale interface is installed as Scale 2.

‡ COMx (cable harness with M12 connector), only possible is a Precision scale interface is installed as Scale 2.

Application Connections – Sketches and Notes

A large grid of graph paper for sketches and notes. The grid consists of 20 columns and 20 rows of small squares, providing a space for drawing and writing.

IND700 Terminations

COM1 RS-232/RS422/RS-485, Main Board

	Pin	Signal	
9 GND [isolated]	1	TxD	RS232
+5V [isolated]	2	RxD	
RxD1-	3	COM	
RxD1+	4	TxD+	RS422/ RS485
TxD1-	5	TxD-	
TxD1+	6	RxD+	
COM1	7	RxD-	
RxD1	8	+5V	
1 TxD1	9	GND	

Discrete I/O, Main Board

	Pin	Signal
8 GND	1	IN 1
+12V	2	IN 2
OUT_COM	3	IN_COM
OUT 2	4	OUT 1
OUT 1	5	OUT 2
IN_COM	6	OUT_COM
IN 2	7	+12V (isolated)
1 IN 1	8	GND (isolated)

POWERCELL® / PowerDeck™

Load Cell	Pin	Signal
8 GND	1	CANH
+24V IN	2	NC
+24v OUT	3	CANL
GND	4	+12V OUT
+12V OUT	5	GND
CANL	6	+24V OUT
N/C	7	+24V IN
1 CANH	8	GND

High Speed Analog Load Cell (HSALC)

HSALC Load Cell	Pin	Signal
6 -EXC	1	+EXC
-SEN	2	+SEN
-SIG	3	+SIG
+SIG	4	-SIG
+SEN	5	-SEN
1 +EXC	6	-EXC

Scale Interface Board (HSALC, POWERCELL, Precision)

DIO	Pin	Signal
5 OUT2	1	IN1
OUT1	2	IN2
COM	3	COM
IN2	4	OUT1
1 IN1	5	OUT2

Precision Scale [Socket]

	Pin	Signal
1 TxD+	1	TxD+
TxD-	2	TxD-
RxD+	3	RxD+
+12V	4	+12V
GND	5	GND
RxD-	6	RxD-

Optional COMx on Precision board (RS232/422/485)

	Pin	Signal
7 RxD-	1	TxD
RxD+	2	RxD
TxD-	3	COM
TxD+	4	TxD+
COM	5	TxD-
RxD	6	RxD+
1 TxD	7	RxD-

	 WARNING	 ADVERTENCIA	 ACHTUNG	 ATTENTION	 AVVERTENZA	 ADVERTÊNCIA
	ONLY PERMIT QUALIFIED PERSONNEL TO SERVICE THIS EQUIPMENT. EXERCISE CARE WHEN MAKING CHECKS, TESTS AND ADJUSTMENTS THAT MUST BE MADE WITH POWER ON. FAILING TO OBSERVE THESE PRECAUTIONS CAN RESULT IN BODILY HARM.	SÓLO PERMITA QUE PERSONAL CALIFICADO DÉ SERVICIO ESTE EQUIPO. DEBE TENERSE CUIDADO AL EFECTUAR REVISIONES, PRUEBAS Y AJUSTES QUE DEBAN EFECTUARSE CON EL EQUIPO ENCENDIDO. DE LO CONTRARIO PUEDEN PRODUCIRSE LESIONES CORPORALES.	DIESES GERÄT DARF NUR VON QUALIFIZIERTEM PERSONAL GEWARTET WERDEN. BEI PRÜFUNGEN, TESTS UND EINSTELLUNGEN, DIE BEI EINGESCHALTETER STROMZUFÜHR DURCHGEFÜHRT WERDEN MÜSSEN, VORSICHTIG VORGEHEN. DIE NICHTBEACHTUNG DIESER VORSICHTSMASSNAHMEN KANN ZU VERLETZUNGEN FÜHREN.	AUTORISEZ SEULEMENT LE PERSONNEL QUALIFIÉ À ENTREtenir CET ÉQUIPEMENT. SOYEZ PRUDENT LORSQUE DES VÉRIFICATIONS, TESTS ET AJUSTEMENTS DOIVENT ÊTRE EFFECTUÉS SOUS TENSION. NE PAS OBSERVER CES PRÉCAUTIONS RISQUERAIT DE CAUSER DES BLESSURES CORPORELLES.	SOLO PERSONALE QUALIFICATO DEVE ESSERE AUTORIZZATO AD INTERVENIRE SU QUESTO APPARECCHIO. FARE ATTENZIONE QUANDO SI DEVONO ESEGUIRE CONTROLLI, PROVE E REGOLAZIONI MENTRE L'APPARECCHIO È ACCESSO. LA MANCATA OSSERVANZA DI QUESTE PRECAUZIONI PUÒ CAUSARE INFORTUNI.	APENAS PESSOAL QUALIFICADO DEVE TER PERMISSÃO PARA FAZER MANUTENÇÃO NO TERMINAL. TENHA CUIDADO AO FAZER VERIFICAÇÕES, TESTES E AJUSTES COM O TERMINAL LIGADO. SE ESTAS PRECAUÇÕES NÃO FOREM SEGUIDAS PODEM OCORRER LESÕES CORPORAIS E/OU DANOS MATERIAIS.
	DISCONNECT ALL POWER TO THIS UNIT BEFORE INSTALLATION, SERVICE, CLEANING OR REPLACING A FUSE. FAILING TO OBSERVE THESE PRECAUTIONS CAN RESULT IN BODILY HARM AND/OR DAMAGE TO EQUIPMENT.	DESCONECTE TODO EL SUMINISTRO ELÉCTRICO DE ESTA UNIDAD ANTES DE INSTALARLA, DARLE SERVICIO O LIMPIARLA O CAMBIARLE UN FUSIBLE. DE LO CONTRARIO PODRÍAN PRODUCIRSE LESIONES CORPORALES O DAÑOS FÍSICOS.	VOR DER INSTALLATION, WARTUNG UND REINIGUNG DES GERÄTS ODER DEM AUSBAU DER SICHERUNG JEGLICHE STROMZUFÜHR ZUM GERÄT UNTERBRECHEN. MISSACHTUNG KANN ZU VERLETZUNGEN UND/ODER SACHSCHADEN FÜHREN.	DÉBRANCHEZ TOUT COURANT DE CETTE UNITÉ AVANT DE FAIRE L'INSTALLATION, D'EFFECTUER L'ENTRETIEN, LE NETTOYAGE OU AVANT DE RETIRER LE FUSIBLE. NE PAS OBSERVER CES PRÉCAUTIONS RISQUERAIT DE CAUSER DES BLESSURES CORPORELLES OU/ET D'ENDOMMAGER L'ÉQUIPEMENT.	PRIMA DI ESEGUIRE L'INSTALLAZIONE, LA MANUTENZIONE, PULIRE O ESTRARRE IL FUSIBILE, SCOLLEGARE L'APPARECCHIO DALLA PRESA DI CORRENTE. LA MANCATA OSSERVANZA DI QUESTE PRECAUZIONI PUÒ CAUSARE INFORTUNI E/O DANNI ALLE COSE.	DESCONECTE TODA A POTÊNCIA DESTA UNIDADE ANTES DE REALIZAR INSTALAÇÃO, MANUTENÇÃO OU LIMPEZA. SE ESTAS PRECAUÇÕES NÃO FOREM SEGUIDAS, PODEM OCORRER DANOS, A DESTRUIÇÃO DO EQUIPAMENTO E/OU LESÕES CORPORAIS.
	FOR CONTINUED PROTECTION AGAINST SHOCK HAZARD, CONNECT TO PROPERLY GROUNDED OUTLET ONLY. DO NOT REMOVE THE GROUND PRONG.	PARA CONTAR CON PROTECCIÓN CONTINUA CONTRA UN PELIGRO DE DESCARGA ELÉCTRICA, CONECTE EL EQUIPO SÓLO EN TOMAS DE CORRIENTE CON LA DEBIDA CONEXIÓN A TIERRA. NO DESPRENDA EL CONTACTO DE TIERRA.	FÜR KONTINUIERLICHEN SCHUTZ GEGEN ELEKTROSCHOCK NUR AN EINE ORDNUNGSGEMÄSS GEERDETE STECKDOSE ANSCHLIESSEN. DEN ERDUNGSSTIFT NICHT ENTFERNEN.	POUR ASSURER UNE PROTECTION CONTINUE CONTRE UNE DÉCHARGE ÉLECTRIQUE, BRANCHEZ UNIQUEMENT SUR UNE PRISE CORRECTEMENT RELIÉE À LA TERRE. NE RETIREZ PAS LA FICHE DE TERRE.	PER UNA PROTEZIONE CONTINUA CONTRO IL RISCHIO DI SCOSSE, COLLEGARE L'APPARECCHIO SOLO A UNA PRESA CON COLLEGAMENTO DI TERRA. NON TOGLIERE LO SPINOTTO PER LA MESSA A TERRA.	PARA PROTEÇÃO CONTINUA CONTRA PERIGO DE CHOQUE, CONECTE SOMENTE A UMA TOMADA DEVIDAMENTE ATERRADA. NÃO REMOVA O PINO TERRA.
	DO NOT INSTALL OR PERFORM ANY SERVICE ON THIS EQUIPMENT BEFORE THE AREA HAS BEEN VERIFIED AS NON-HAZARDOUS BY PERSONNEL AUTHORIZED TO DO SO BY THE RESPONSIBLE CUSTOMER.	TODOS LOS EQUIPOS DEBEN SER INSTALADOS DE ACUERDO CON LAS INSTRUCCIONES DE INSTALACIÓN DETALLADAS EN ESTE MANUAL. EL NO SEGUIR LAS INSTRUCCIONES PUEDE PERJUDICAR LA SEGURIDAD INTRÍNSECA DE LA UNIDAD Y ANULAR LA APROBACIÓN DE LA BÁSCULA POR LA COMPAÑÍA DE SEGUROS DE LA FÁBRICA.	KEINE INSTALLATIONS- ODER WARTUNGSARBEITEN DURCHFÜHREN, BEVOR DER ARBEITSBEREICH VOM VERANTWORTLICHEN KUNDENPERSONAL ALS SICHER EINGESTUFT WURDE.	NE PAS INSTALLER OU EXECUTER AUCUNE MAINTENANCE SUR CET EQUIPEMENT TANT QUE LA ZONE N'A PAS ETE ATTESTEE COMME NON DANGEREUSE PAR UN PERSONNEL ABILITE PAR LE CLIENT	NON INSTALLARE OD EFFETTUARE ALCUNA ASSISTENZA SU QUESTO STRUMENTO PRIMA CHE L'AREA SIA STATA VERIFICATA COME NON-PERICOLOSA DA PERSONALE AUTORIZZATO A FARE QUESTO SU RESPONSABILITÀ DEL CLIENTE	NÃO INSTALE NEM EXECUTE QUALQUER SERVIÇO NESTE EQUIPAMENTO ANTES QUE A ÁREA EM QUE O TERMINAL ESTÁ LOCALIZADO SEJA CONSIDERADA COMO NÃO PERIGOSA PELO PESSOAL AUTORIZADO A FAZÊ-LO DE ACORDO COM O RESPONSÁVEL PELA INSTALAÇÃO DO CLIENTE.
	NOTE	AVIS	HINWEIS	PRUDENCE	ATTENZIONE	ATENÇÃO
	OBSERVE PRECAUTIONS FOR HANDLING ELECTROSTATIC SENSITIVE DEVICES.	OBSERVE LAS MEDIDAS DE PRECAUCIÓN PERTINENTES AL MANEJAR DISPOSITIVOS SENSIBLES A LA ELECTRICIDAD ESTÁTICA.	BEACHTEN SIE DIE ENTSPRECHENDEN VORSICHTSMASSNAHMEN BEIM UMGANG MIT GERÄTEN, DIE EMPFINDLICH AUF ELEKTROSTATIK REAGIEREN.	SOYEZ PRUDENT LORSQUE VOUS MANIPULEZ DES APPAREILS SENSIBLES À L'ÉLECTROSTATIQUE.	OSSERVARE LE PRECAUZIONI NECESSARIE QUANDO SI MANEGGIANO DISPOSITIVI SENSIBILI ALLA SCARICA ELETTROSTATICA.	SIGA ESTAS PRECAUÇÕES AO MANUSEAR DISPOSITIVOS SENSÍVEIS À ELETRICIDADE ESTÁTICA.