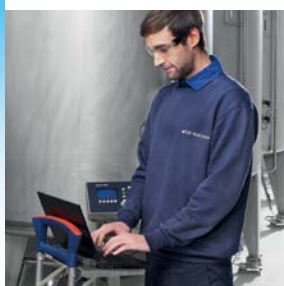


Process More, Faster Without Sacrificing Accuracy



Speed

The ACT350 provides an exceptional 800 Hertz update rate to a PLC. It is ideal for fast filling and sorting applications.

Connectivity

The ACT350 supports easy connectivity to most common fieldbuses with comprehensive description files.

Optional in-built Ethernet switch for daisy chain allows to connect numerous ACT350 to one PLC directly.

Compact Housing

The small DIN-rail housing saves valuable cabinet space. Keys and display allow setup and control directly at the unit.

Installation

Installation is supported by PC setup software via a RS232 service interface allowing for saving, restoring and cloning settings.



ACT350 Weight Transmitter

The ACT350 analog weight transmitter delivers precision measurement at an exceptional speed. Transmitter features include:

- 800Hz PLC update rate at full accuracy
- Efficient TraxDSP filter
- PROFIBUS® DP, PROFINET®, EtherNet/IP
- Keypad and OLED display
- Compact housing
- OIML 6000 e, NTEP 10000 d
- Optional in-built Ethernet switch
- Optional digital 3 x IN / 5 x OUT
- RS232 service interface
- 12-30 VDC operation
- CalFree™ weightless calibration
- ATEX / IECEx / FM (ACT350xx only)

ACT350 Weight Transmitter

Parameter	Units of Measure	ACT350	ACT350 DIO	ACT350xx	
Housing	Enclosure Type		DIN-Rail mount, plastic, with setup and monitoring interface		
	W x H x D	mm (in)	40 x 110 x 100 (1.6 x 4.3 x 4)		
	Shipping Weight	kg (lb)	0.5 (1.1)		
	Environmental protection		IP20, Type 1		
	Legal for Trade	°C / °F	-10 to 40 / 14 to 104 10% to 90% rel. Humidity, non-condensing		
	Operation	°C / °F	-10 to 50 / 14 to 122 10% to 90% rel. Humidity, non-condensing		
	Storage	°C / °F	-40 to 60 / -40 to 140 10% to 90% rel. Humidity, non-condensing		
Measuring Rate	Analog / Digital update rate	Hz	internal: 1 200 / PLC interface: up to 800		
	Digital Filtering		TraxDSP low pass filter, corner frequency adjustable 1-20 Hz		
Connectivity	Fieldbus interface		PROFIBUS [®] DP, PROFINET [®] , EtherNet/IP		
	Ethernet Switch	External	On board		
	Protocol		Cyclic PLC update - SAI - Standard Automation Interface incl. Clear, Tare, Zero; Acyclic ASCII commands for setup		
	Ring Topology	n / a	MRP (Media Redundancy Protocol) for PROFINET DLR (Device Level Ring) for EtherNet/IP		
	Service interface		RS232, EtherNet TCP/IP (Webserver) ¹⁾		
Power Requirement	Peak at startup	VDC / mA	12-30VDC; 1000mA		
	Normal operation	VDC / W	12-30VDC; 5.1W		
Power Dissipation	W	<5W			
Scale	Scale type		Analog load cells, mV/V		
	Number of load cells		up to 8 350 Ω or 20 1 000 Ω; 3mV/V (80% output) ²⁾		
	Number of scales		1		
	Number of scale ranges		1		
	Load cell excitation voltage	VDC	5		
	µV Build Minimum / Approved	microvolts	0.1 / 0.5 ³⁾		
Calibration Type		Zero / Span with Linearization up to 5 points; Step; CalFree			
Display	Type		Green OLED incl. weight display, weight units, gross/net indication and graphic symbols for motion, center of zero. 10 updates/sec		
	Character height	mm (in)	5.6 (0.22)		
	Status LEDs		Scale (SCL), Power (PWR), Network (NW), Device (DEV)		
	Weight Display		Maximum displayed resolution 980 000 divisions		
Keypad		4 keys (Up, Down, Left, Enter); 0.9 mm thick polyester overlay (PET) with 0.178mm thick polycarbonate display lens			
Approvals	Weights and Measures		Europe: OIML Class III, 6 000 e R76 / 2006-NL1-09.26; USA: Class III - n max. 10 000; AM-5744		
	Electrical Safety ¹⁾		UL, cUL	cFus	
	Hazardous	Global		n/a	Ex nA IIC T4 Gc Ex ec IIC T4 Gc -10°C ≤ Ta ≤ +40°C IECEx DEK 18.0022x
		Europe			II 3 G Ex nA IIC T4 Gc II 3 G Ex ec IIC T4 Gc -10°C ≤ Ta ≤ +40°C DEKRA 18 ATEX 0036x
		China			Ex nA IIC T4 Gc -10≤Ta≤+40 GYB 19.1985X
US and Canada			ANI Class I, II, III Division 2, Groups A-D, F, G ; ANI Class I Zone 2 IIC (US only) ANI Zone 22 IIIB (US only) -10°C ≤ Ta ≤ +40°C FM 17US0354x ; FM 17CA0171x		
ACT350xx must be placed in a safe area. See diagram on next page.					
Software Comparators		5 Software Comparators			
Digital Input/Output	Physical		n/a	3x IN, 5x Out; Logical High Voltage: 10 ... 24 VDC; Logical Low Voltage: 0 ... 5 VDC;	

1) Webserver available only for PROFINET IO and EtherNet/IP versions, with serial number starting from B750152347

2) The 3mV/V load cell output is "Output limited to 2.4 mV/V".

3) Only use recommended 12-24 VDC power supply approved as NEC Class 2 or rated as Limited Power per IEC60950-1.

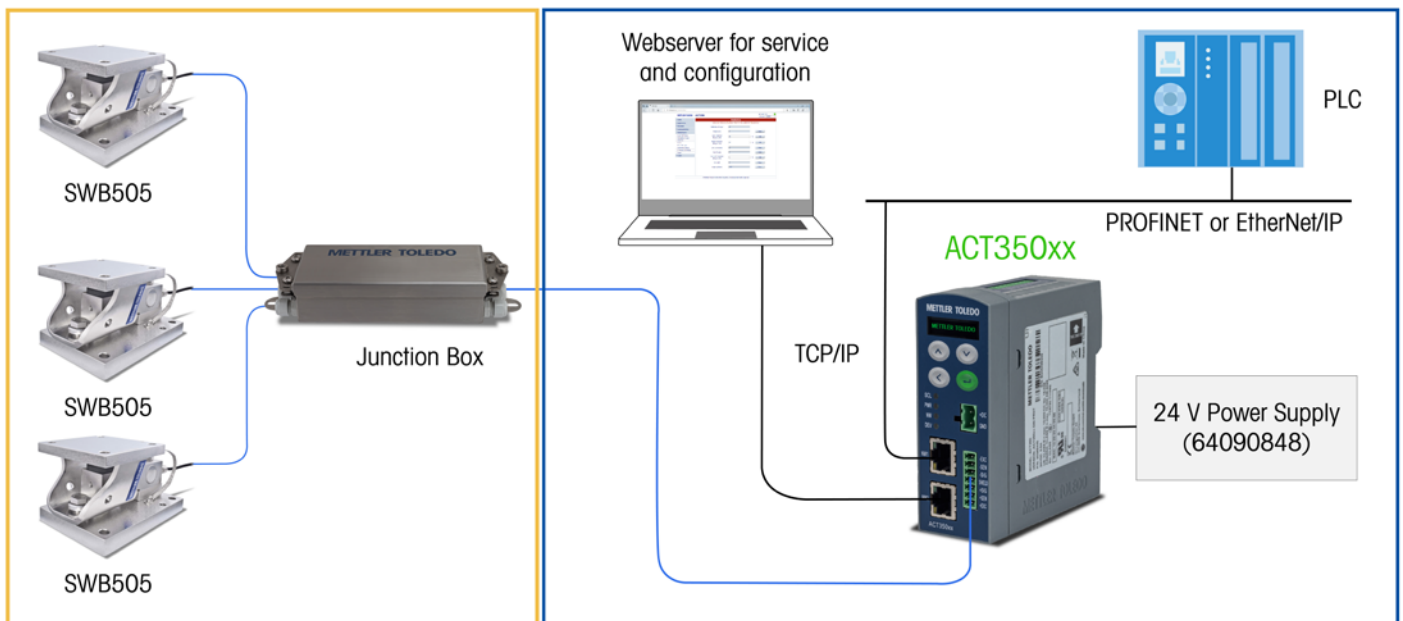
Order Information ACT350

	ACT350 Item No.	ACT350 DIO Item No.	ACT350xx Item No.
PROFIBUS DP	30076688	30076691	30366444
PROFINET IO	30076689	30076692	30366445
EtherNet/IP	30076690	30076693	30366446
Accessories			Item No.
Spare Connector Kit			30232356
Cable Kit RS232 ACT350			30315338
Suitable Power Supply			Item No.
In 100-240VAC, Out 24VDC 2.5A for up to 1x ACT350			64090848

ACT350xx Analog Automation Network Configuration

FM Division 2 / ATEX Zone 2/22

Safe Area



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Subject to technical changes
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For more information