

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

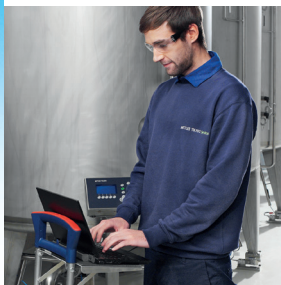
The ACT350 supports easy connectivity to most common fieldbuses with comprehensive description files.

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® IO, 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 [®] IO, 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) f or EtherNet/IP		
	Service interface	RS232, EtherNet TCP/IP (Webserver) ¹⁾			
Power Requirement	VDC / mA	12-30; nominal 24 / 212mA(I.E.) 187mA(DP);			
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)			
Keypad	Weight Display	Maximum displayed resolution 980 000 divisions			
		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		cFmus	
	Hazardous	Global	n/a		Ex nA IIC T4 Gc Ex ec IIC T4 Gc -10°C ≤ Ta ≤ +40°C IECEX DEK 18.0022x
		Europe	n/a		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	n/a		Ex nA IIC T4 Gc -10 ≤ Ta ≤ +40 GYB 19.1985X
US and Canada		n/a		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.					
Digital Input/Output	Software Comparators	5 Software Comparators			
	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

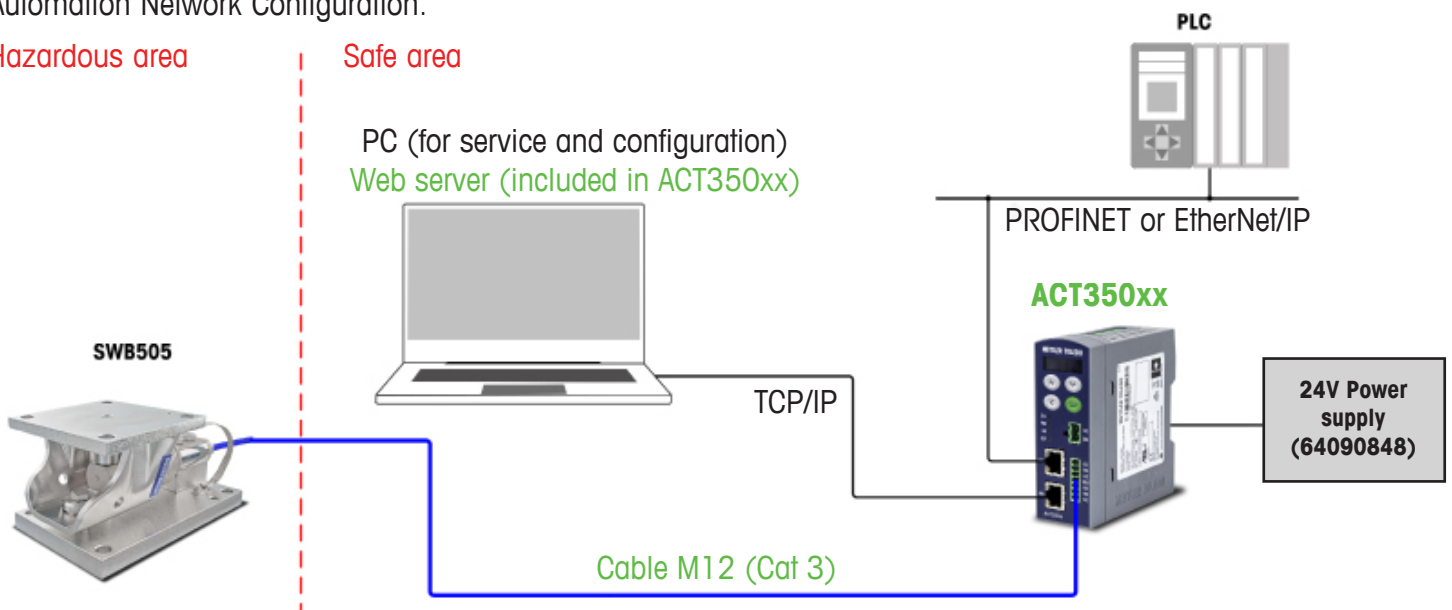
	ACT350 Item No.	ACT350 DIO Item No.	ACT350xx Item No.
PROFIBUS DP	30076688	30076691	30366444
PROFINET IO	30076689	30076692	30366445
EtherNet/IP	30076690	30076693	30366446
Accessories			Item No.
Spare Connector Kit			30232356
Cable Kit RS232 ACT350			30315338
Suitable Power Supply			Item No.
In 100-240VAC,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

ACT350xx

Automation Network Configuration.

Hazardous area

Safe area



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For more information