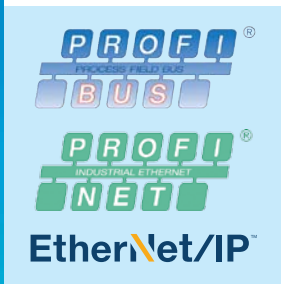


Process More, Faster Without Sacrificing Accuracy



Speed

The ACT350 provides an exceptional 600 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:

- 600Hz 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

ACT350 Weight Transmitter

Parameter	Units of Measure	ACT350	ACT350 DIO	
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 600		
	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) for EtherNet/IP	
	Service interface	RS232		
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 x 350 Ω or 20 x 1 000 Ω; 1 or 2 mV/V		
	Number of scales	1		
	Number of scale ranges	1		
	Load cell excitation voltage	VDC	5	
	µV Build Minimum / Approved	microvolts	0.1 / 0.5 ¹⁾	
	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 100 000 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		
	Hazardous	ATEX /IECEX	n / a	
		FM		
Product Safety ¹⁾		UL, cUL, CE		
Digital Input/Output	Software Comparators	5 Software Comparators		
	Physical	n/a	3x IN, 5x Out; Input Voltage Range: 5~30 VDC	

1) 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.
PROFIBUS DP	30076688	30076691
PROFINET IO	30076689	30076692
EtherNet/IP	30076690	30076693

Accessories

Spare Connector Kit	30232356
Cable Kit RS232 ACT350	30315338

Suitable Power Supply

In 100-240VAC, Out 24VDC 2.5A for up to 5x ACT350	64090848
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Mettler-Toledo GmbH
Industrial Division
CH-8606 Nänikon, Switzerland
Tel. + 41 44 944 22 11

Local contact: www.mt.com/contacts

Subject to technical changes
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For more information