

Precision Weight for Automation Industries' Highest Accuracy



PLC Connectivity

ACT350 Precision provides fast, simple and easy PLC connectivity to High Precision Weigh Modules and Scales. It is a perfect solution for machines systems requiring the highest level of accuracy.



Onboard Ethernet Switch

ACT350 Precision supports fast PLC connectivity via the most common industrial Ethernet networks using star, daisy-chain and ring topologies.



Webserver Configuration

An internal webserver allowing easy setup, remote status and maintenance.



Onboard Display and Keypad

A Built-in display and keypad provides easy setup, diagnostics, status (indicated by text) and weight for local calibration. Four indicator LEDs show network status and device condition.



ACT350 Precision Weight Transmitter

The METTLER TOLEDO ACT350 Precision allows conductivity to Precision Scales. Easily integrating these extremely accurate modules and scales for automatic weighing applications where accuracy is critical to quality and cost savings.

- PROFINET®, EtherNet/IP™ network connectivity
- Integrated Webserver for local or remote service
- OLED display and keypad for setup, maintenance and current system status
- Compact housing - only 40 mm width
- Communication includes condition monitoring, alarms, synchronization, heartbeat and other industry-leading functions
- Digital inputs/outputs fast and simple control
- Powered by 24VDC
- Automatic DIN rail grounding

ACT350 Precision Weighing Transmitter

Parameter		Units of measure	ACT350 Precision
Housing	Enclosure type		DIN-Rail mount, rugged plastic, quick connection with automatic 3-point grounding
	W x H x D	mm / in	40 x 110 x 100 (1.6x 4.3 x 4)
	Shipping weight	kg/ lb	0.6 (1.3)
	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
Measuring rate	Storage	°C / °F	-40 to 60 / -40 to 140 10% to 90% rel. Humidity, non-condensing
	Digital update rate	Hz	<100Hz
Connectivity	Automation interface		Certified PROFINET or EtherNet/IP™ with GSDML, EDS, AOP and sample code
	Ethernet switch		Onboard allows daisy-chaining
	Protocol		Standard Automation Interface (SAI) cyclic and acyclic interface incl. clear, tare, zero. For more information refer to below function (commands) table and SAI user manual. (Weigh value to PLC limited to 7 digits)
	Service interfaces		Ethernet TCP/IP – Webserver, keyboard and display
	Connectors		Ethernet Connectors RJ45. Other connectors are easily exchangeable plug-in style using screw connections, cable according to sensor or scale type.
Power Requirement	Peak at startup	VDC / mA	24VDC; 2000mA
	Normal operation	VDC / W	24VDC; 5.1W
Power Dissipation		W	<5W
Scale	Scale type		METTLER TOLEDO precision scales and automatic precision modules. Refer to below function (commands) table. (RS232; RS422; RS485)
	Number of input devices		1
	Number of output scales		1
	Scale excitation voltage	VDC	24VDC ±10% (12VDC versions supported only with external power supply)
	Calibraton		Determined by the sensor or scale type
Display	Type		Green OLED incl. weight display, weight units, gross/net indication and graphic symbols for motion, center of zero.
	Character height	mm / in	5.6 / 0.22
	LED status		Scale (SCL), Power (PWR), Network (NW), Device (DEV)
	Weight display		Maximum displayed 7 digits. Readability determined by sensor or scale type
Keypad			4 keys (up, down, left, enter); 0.9 mm thick polyester overlay (PET) with 0.178mm thick polycarbonate display lense
Approvals	Product safety		UL, cJUL, CE, FCC
Digital Input/Output	Software comparators		5x Out
	Control		3x Input – available functionality: None; Clear Tare; Tare; Zero Input high voltage: 10~24 VDC; Input low voltage: 0~ 5 VDC;
	Physical		Yes

Order Information ACT350 Precision

	Description	ACT350 Precision Item No.
PROFINET	WEIGH TRANSM PRNT R35000D8000LCT0030	30476263
EtherNet/IP™	WEIGH TRANSM ETIP R35000D8000LCE0030	30476264

Accessories	ACT350 Precision Item No.
Spare Connector Kit	30485473

Suitable power supply	ACT350 Precision Item No.
In 100-240VAC, Out 24VDC 2.5A for up to 1x ACT350	64090848

Communication	Precision weigh modules / scales	Commands supported through the PLC interface
Full level support	PBK9_ APW (only APW version) PFK9_ APW (only APW version) SLF6 High Precision Weigh Module WKC High Precision Weigh Module WMS High Precision Weigh Module	- Weight, status, tare, zero, calibrate, reset - View and configure parameters of weighing module via webserver - Sensor firmware upgrade via webserver (Weigh value to PLC limited to 7 digits)
Basic level support	ICS4__ Scale & Terminal ICS68__ Scale & Terminal PBA430 - eBox - Weighing Platform (Digital Interface) PBD5__ Weighing Platform PBD6__ Weighing Platform PBD7__ Weighing Platform PBK9__ Weighing Platform PFA5__ Floor Scale (Digital Interface)	PFA7__ Floor Scale (Digital Interface) PFK9__ Weighing Platform PTA4__ Pallet Scale (Digital Interface) PUA5__ FloorScale (Digital Interface) WMC High Precision Weigh Module WX_ High Precision Weigh Module XPR___ Labatory Balance XSR___ Labatory Balance
		- Weight, status, tare, zero (Weigh value to PLC limited to 7 digits)

METTLER TOLEDO Group

Industrial Division

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For more information



Subject to technical changes

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