

# AI 2xSG 4-/6-wire HS

Measuring technology for ET 200SP

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## Fast measuring technology integrated in ET 200SP design

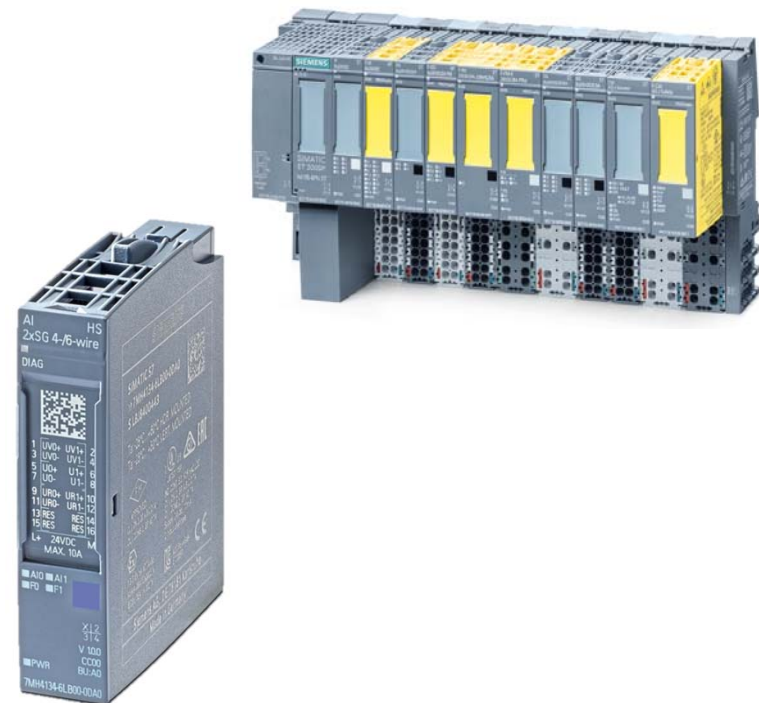
### Analog input for force und torque sensors

The module AI 2xSG 4-/6-wire HS incorporates into the group of the analog input modules.

It extends the functional range of the ET 200SP peripherals relating to a fast interpretation of force and torque sensors, based on strain gauge full bridges.

Integrated from

- TIA Portal V14 SP1
- SIMATIC Manager Step7 V5.6
- GSDML V2.33 / GSD V03.01.105



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Product	AI 2xSG 4-/6-wire HS
No. of channels	2
BaseUnit type	A0
Diag.-/Hardware interrupts	YES / YES
Input range	0,5 ... 320 mV/V (variable and per channel selectable)
Sensor supply	Integrated 4,85 VDC (+/-3%)
Resolution	28 Bit (normal / isochronous mode) 16 Bit (oversampling mode)
Sampling rate	Variable up to 10kHz
Channels isolated	NO



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Product	AI 2xSG 4-/6-wire HS	Change in RUN
Isochron. mode/ oversampling	YES / YES	
Average filter	Variable selectable 0,10 ... 655,35ms	YES
Notch-Filter	Variable Notch-Frequency 0,1 ... 1000,0Hz Variable quality Q von 5,00 ... 250,00	YES
Input lock	Effective gating out of signal disturbances	YES
Low pass filter	YES (per channel); Variable cut-off frequency 0,1 ... 6553.5 Hz; Variable ordinal number 1 ... 4;	YES
Limits	Two upper, two lower with own free selectable hysteresis	YES



## Fast measuring technology integrated in ET 200SP design

### Customer benefits



Measuring technology seamlessly integrated into the automation system

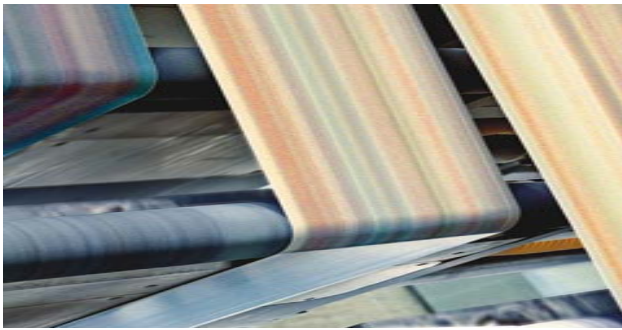
Compact, high-performance solution in ET 200SP design

Flexibility in combination with Siemens Controllers: every application requirement can be easily programmed, adapted and extended.



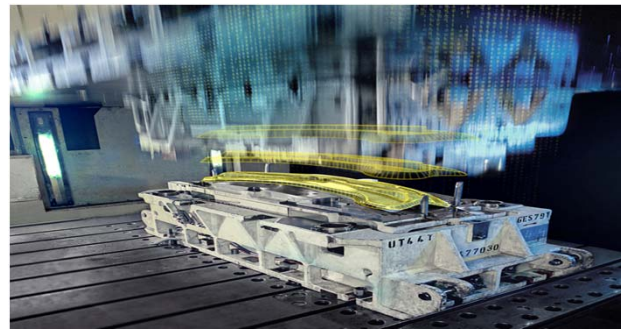
## Fast measuring technology integrated in ET 200SP design

### Target industries / applications



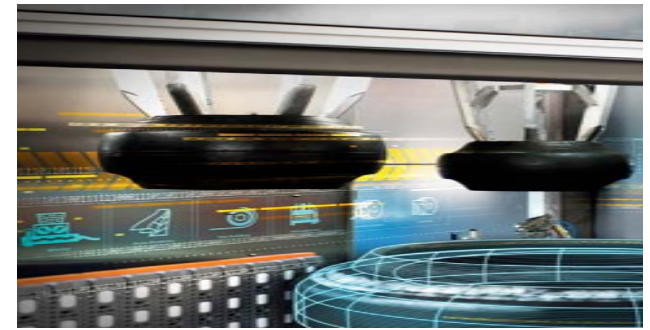
#### Tension

- Paper industry
- Cable industry
- Crane applications



#### Torque / Force

- Packaging machines
- Wind industry
- Machine tools
- Plastic- and molding industry



#### Oscillation

- Test stands

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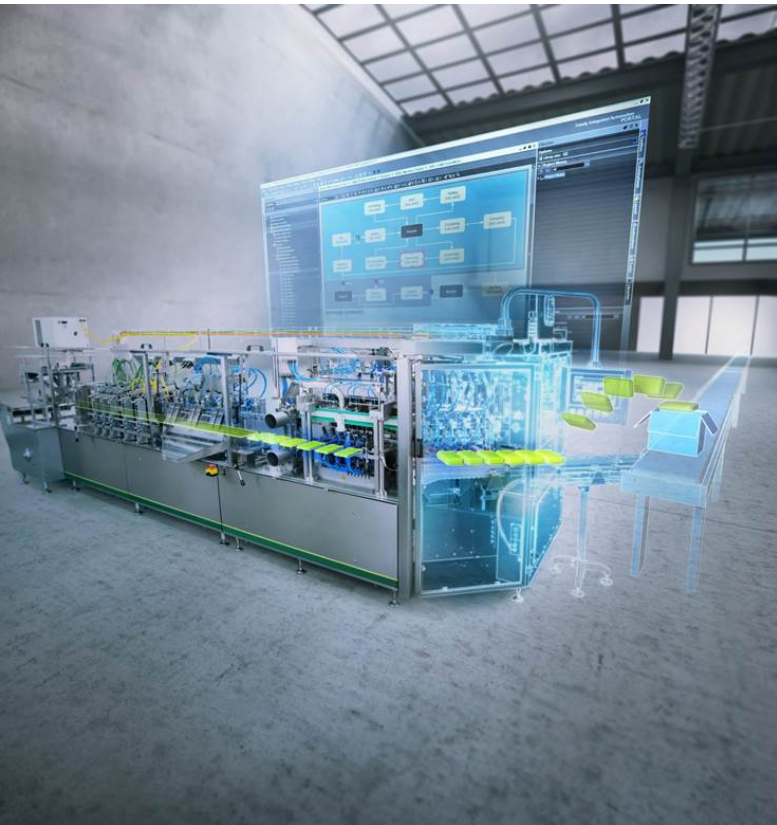


## Product data



AI 2xSG 4-/6-wire HS

Order number 7MH4134-6LB00-0DA0



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