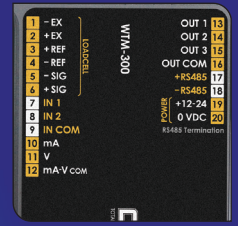Fast and accurate weighing

DIN rail mountable type

Various interfaces

WTM-300 SERIES

Weight Transmitter

WTM-300 series is capable of fast and accurate weighing via high-performance A/D converter.
It is DIN rail mountable within a cabinet or control panel, where it serves to convert
a scale's loadcell signals to analog output, serial output, or a specific network protocol.

CE

WTM-300

OUT 1 13
OUT 2 14
OUT 3 15
OUT COM 16
+RS485 17
−RS485 18
POWER +12-24 19
0 VDC 20
RS485 Termination

LOADCELL
− EX 1
+ EX 2
+ REF 3
− REF 4
− SIG 5
+ SIG 6
IN 1 7
IN 2 8
IN COM 9
mA 10
V 11
mA-V COM 12

NET
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g
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CAS
TOTAL WEIGHING SOLUTION

WTM-300 SERIES | Weight Transmitter

SPECIFICATIONS

Model	WTM-300
Load Cell excitation voltage	5VDC / 120mA
Load Cell connection(350Ω)	Max. 8ea (4 or 6 wired)
Linearity / Analog output linearity	＜ 0.01% Full Scale / ＜ 0.01% F.S.
Measurement range	±39mV
Max sensitivity of usable Load Cells	±7mV/V
Display range	±999999
Display / Key	7-Segment 6digits LED display (letter height : 8mm) / function key : 4ea
No. of decimals / Display increments	0~4 / x1, x2, x5, x10, x20, x50, x100
Internal resolution	1/16,000,000 (24bit)
Display resolution	1/10,000
A/D Conversion speed	300 times/sec
Power	DC 12~24V ±10% ;5W
Logic input	2ea 5~24 VDC PNP
Logic relay output	3ea 115VAC / 150mA
Serial ports	RS-485
Operaing temp (℃)	-10~+40
Analog output	0~20mA; 4~20mA (Max. 300Ω) ; 0~10VDC ; 0~5VDC ; ±10VDC ; ±5VDC (min 10kΩ)
Product size (mm)	120(W) x 115(D) x 25(H)

FEATURES

- DIN rail mountable type ; space-saving vertical shape
- 7-Segment 6digits LED display (letter height : 8mm)
- Easy to set through 4 function keys
- Extractable terminal boards
- High resolution 1/10,000
- High A/D conversion speed : Max. 300time/sec
- Theoretic calibration (without using real sample weights)
- Multi point (5 points) calibration
- Easy to set digital filter
- Easy to set analog output (type, zero weight and full-scale weight)
- Various interfaces
  - RS-485, 2 relay inputs / 3 relay outputs
  - Analog output ⌐ I-out : 0~20mA, 4~20mA
                ⌐ V-out : 0~10V, 0~5V, ,±10V,±5V

Fast and accurate weighing

High speed A/D conversion with excellent processing capabilities(300 times/sec) for fast response. High display resolution of 1/10,000 for all input range.

DIN rail mountable type ; space-saving vertical
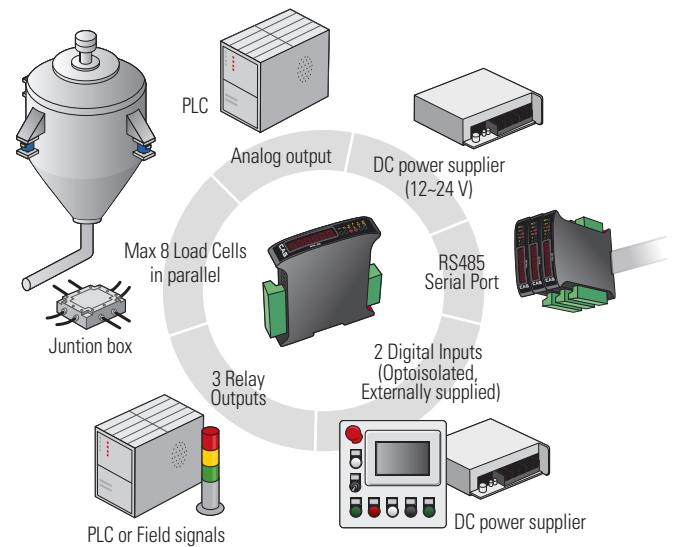
WTM-300 series is mountable to DIN rail that suitable for back panel of weighing system ; space-saving vertical shape
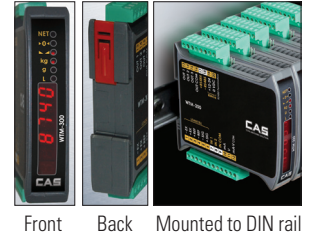
Front   Back   Mounted to DIN rail

Various interfaces

Easy to be connected with other equipment through various interfaces.

PLC

Analog output

DC power supplier (12~24 V)

Max 8 Load Cells in parallel

RS485 Serial Port

Juntion box

3 Relay Outputs

2 Digital Inputs (Optoisolated, Externally supplied)

PLC or Field signals

DC power supplier

DIMENSIONS

Unit : mm

120

115

102

23

Specifications are subject to change for improvement without prior notice.