

# Signal Converter TT30

Signal Converter for Sensor Signals with Analog and Digital Inputs and Outputs



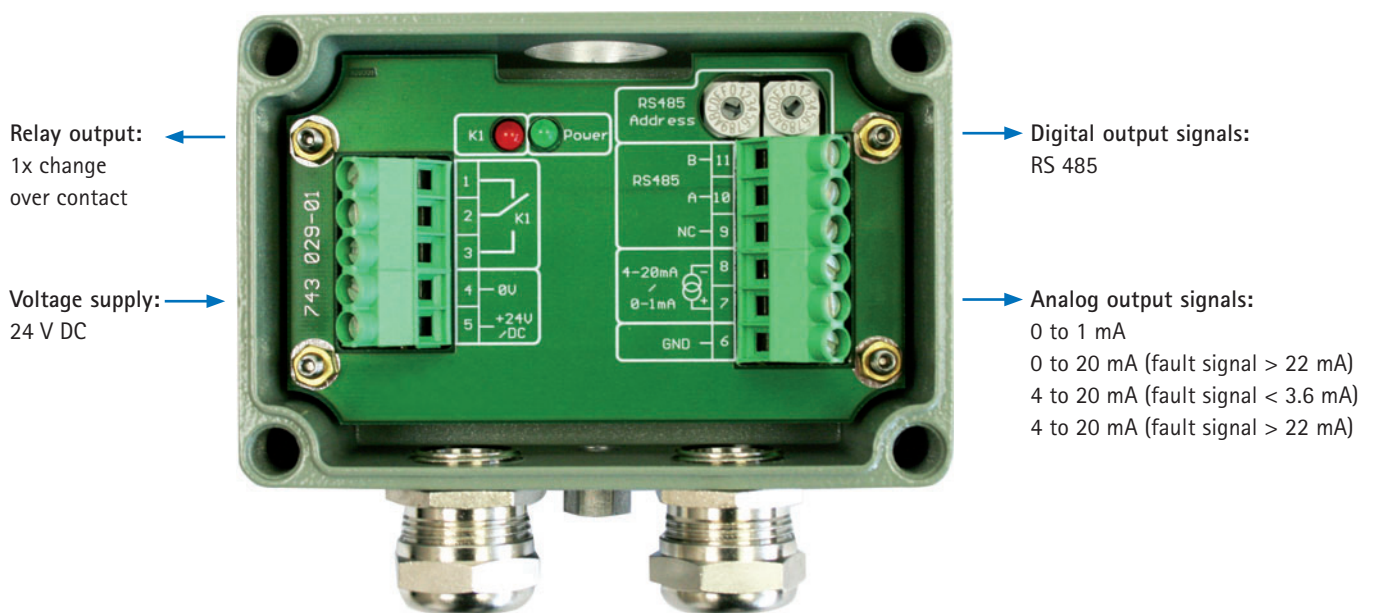
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## TT30 – Fit for the Future: The Retrofit Concept

Analog input signals:  
 PT100 (RTD) (3-conductor connection)  
 4 to 20 mA  
 0 to 20 mA  
 0 to 5 V  
 Angle of rotation  
 PWM sensor



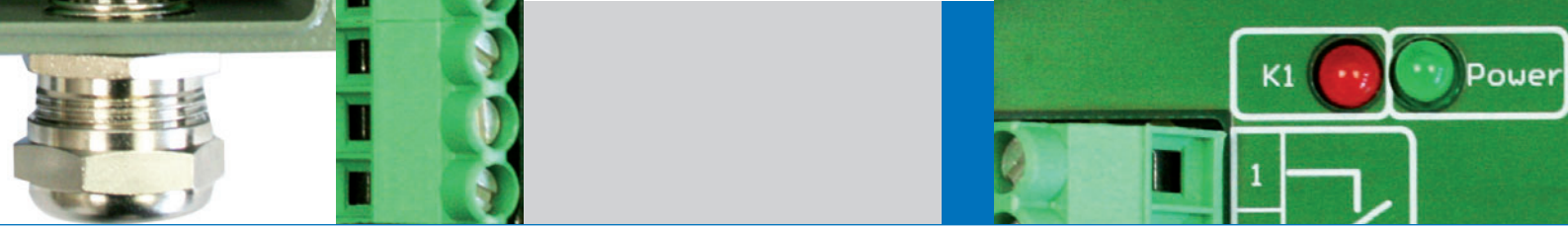
### TT30 signal converter

Power supply systems must be reliable and safe. Both these requirements can be fulfilled by effective measuring and process monitoring. The TT30 signal converter can be used to convert sensor signals into process signals.

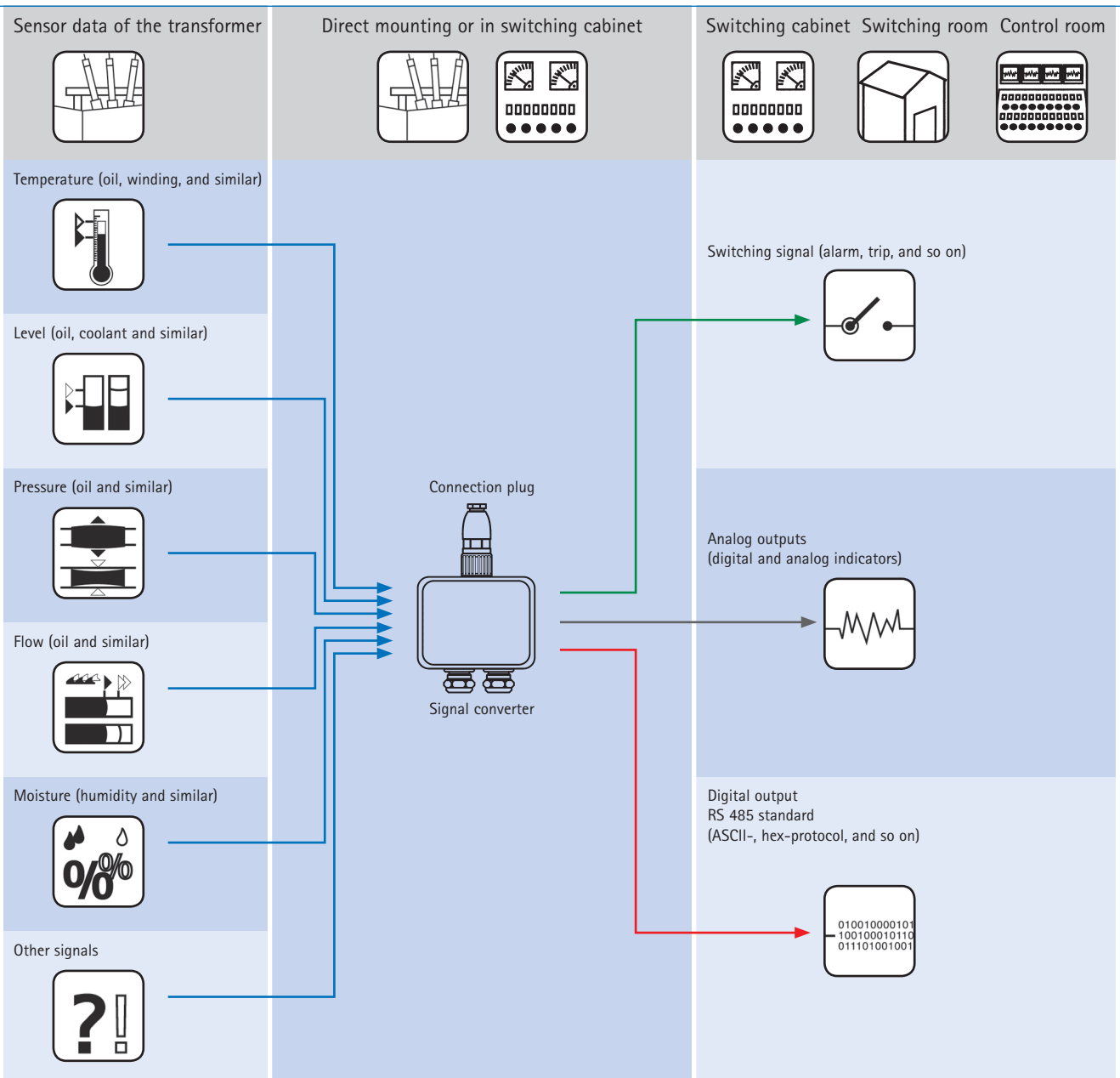
Inputs and outputs which can be parameterized at the factory make it possible to use the TT30 for a wide variety of applications.

In addition to use with proven Messko products, the TT30 can be coupled with any sensors provided the defined input signals are present.

In combination with classical transformer sensors or mechanical indicators, connection to control room systems for process monitoring is possible based on current bus technologies while retaining security and mechanical switching functions at the same time.



# TT30 - A True Communication Miracle



Technical data	
Housing	AlSi cast metal
Dimensions	120 (L) x 80 (W) x 60 (H) mm
Color	RAL 7033
Mounting	Can be snapped onto rail mounting system according to EN 60715 TH 35-7.5 or TH 35-15
Cable glands	2 x M20 x 1.5, brass nickel-plated
Connection plug	4-pole with connecting cable
Physical Data	
Installation	Indoors and outdoors, tropics-proof
Ambient temperature	-20 °C to +80 °C electronics (compensated), -60 °C to +80 °C storage
Protection rating	IP55 in acc. w. IEC 60529
Ventilation	To prevent formation of condensation
Weight	Approx. 700 g
Electrical Data	
Voltage	12...30 VDC unregulated, max. 10 % residual ripple, protected against pole reversal
Current consumption	Max. 80 mA
Status indication	Power-on (LED green), contact K1 (LED red)
Limit value contact	1 change over contact
Contact load	AC: 250 V/5 A/cos $\varphi = 1$ DC: 250 V/0.3 A (induction-free)
Analog input signals	PT100 (RTD), 4 to 20 mA, 0 to 20 mA, 0 to 5 Volt, angle of rotation
Analog output signals	0 to 1 mA, 0 to 20 mA, 4 to 20 mA
Digital output signal	1 x RS 485 with ASCII- or hex-protocol

Important note: The information contained in all of our publications may differ in detail from the actual equipment delivered. We reserve the right to make alterations without notice.

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