


## 1 Differential pressure transmitter DDMU DS3

<b>General:</b>	Differential pressure transmitter with compensated, calibrated and piezoresistive measuring cell in bridge circuit. With voltage stabilisation, bridge amplifier and voltage transformer as an encoder arranged in a two-part circuit.	
<b>Measurement range:</b>	0-10 mbar 0-20 mbar 0-35 mbar 0-50 mbar 0-70 mbar 0-100 mbar 0-350 mbar	
<b>Accuracy class:</b>	1.5	
<b>Media:</b>	Dry gases which do not attack silicon, glass or polyester	
<b>Output signal:</b>	4-20 mA pressure proportional	
<b>Temperature influence:</b>	Zero point 0.3%/10 K, range: 0.3%/10 K	
<b>Supply voltage influence:</b>	0.01 %/V	
<b>Supply voltage:</b>	16.....32 VDC, $U_{Br} < 2 V_{SS}$	
<b>Max. load resistance:</b>	$RL/\Omega = (UB/V - 16) : 0.02$	
<b>Ambient temperature:</b>	-40 °C to +50 °C	
<b>Mounting position:</b>	any, preferably air connections at the bottom (Penetration by liquids through the air connections must be prevented!)	
<b>max. overpressure:</b>	0-10 mbar	200 mbar
	0-20 mbar	200 mbar
	0-35 mbar	200 mbar
	0-50 mbar	200 mbar
	0-70 mbar	200 mbar
	0-100 mbar	1000 mbar
	0-350 mbar	1000 mbar

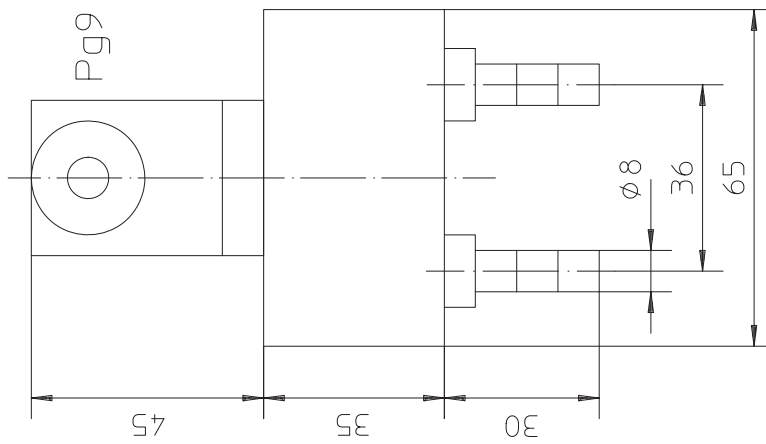
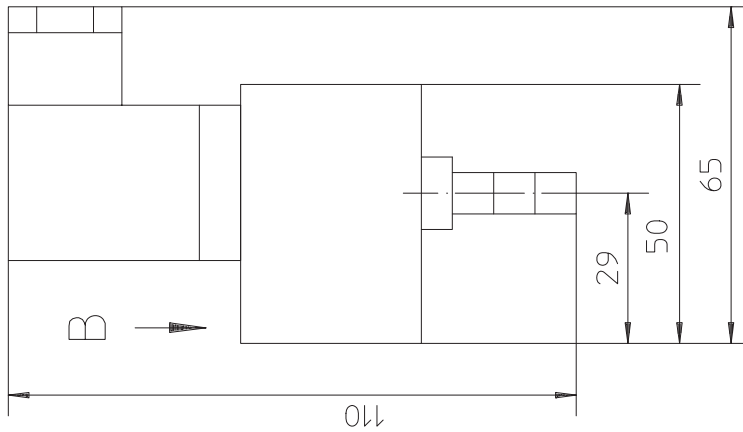
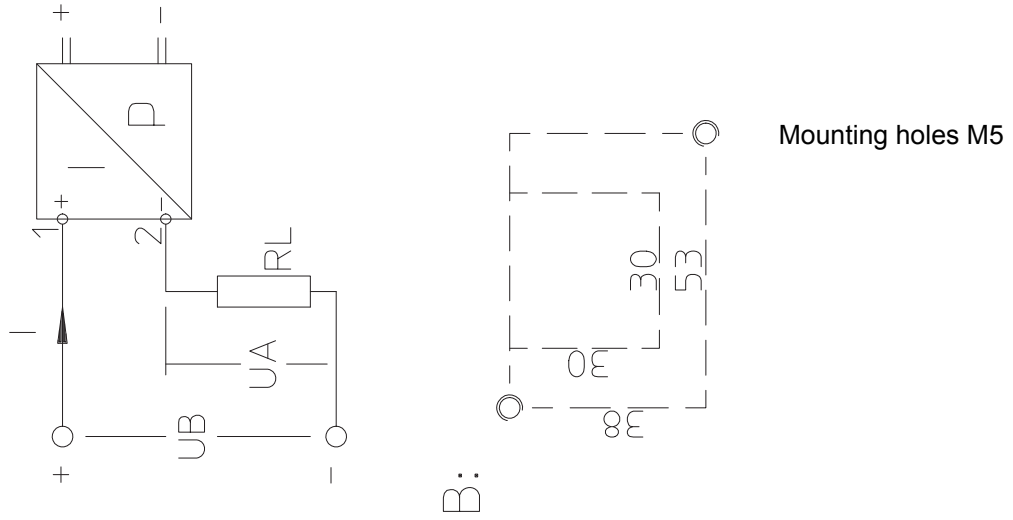
Translation of the Original

**DDMU DS3**

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<b>Pressure connections:</b>	Bag nozzle for bag $\varnothing$ 8mm interior
<b>electrical connections:</b>	Device connector 2-pin in as per DIN 43650
<b>Protection class:</b>	IP65
<b>Housing material:</b>	Polycarbonate
<b>Weight:</b>	160 g
<b>Dimensions (mm):</b>	see connection diagram
<b>ATEX:</b>	 II 3 D T 70 °C

**Connection diagram:**



	<p><b>Kalinsky Sensor Elektronik GmbH &amp; Co. KG</b> <b>Drucksensortechnik</b> Mittelhäuser Strasse 87, D-99089 Erfurt Phone: 0361 / 7451311 Fax: 0361 / 7917813 E-mail: dietrich.kalinsky@t-online.de Internet: www.drucksensorik.de</p>
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## **ATEX – Conformity**

(in accordance with EN1127-1, Directive 2014/34/EU)



**For the device/component**

**Differential pressure transmitter  
DDMU DS3**

**Manufactured by**

**Kalinsky GmbH & Co. KG  
D-99089 Erfurt**

The differential pressure transmitter is suitable for use in Zone 2/22 and is compliant with Directive 2014/34/EU, Group II, Category 3 GD.

### **Confirming the accuracy**

Inspector

**Mario Pietsch**

(Fire Safety and Explosion Protection)

Executive Management

**Dipl.- Ing. Dietrich Kalinsky**

(Technical Manager)

Erfurt, 06/11/2012

	<p><b>Kalinsky Sensor Elektronik</b> <b>GmbH &amp; Co. KG</b> <b>Pressure transducer</b> Mittelhäuser Strasse 87, D-99089 Erfurt, Germany Tel.: +49 (0) 361 7451311 Fax: +49 (0) 361 7917813 E-mail: dietrich.kalinsky@t-online.de Internet: <a href="http://www.drucksensorik.de">http://www.drucksensorik.de</a></p>
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Germany 06/11/12 in Erfurt,

**EU Declaration of conformity**

We hereby certify compliance with the standards specified below applicable for pressure transducer type

**DDMU DS3**

2004/108/EC Directive relating to electromagnetic compatibility

EN 61326 Interference emission:

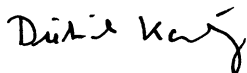
Emitted interference in the range 150 kHz to 30 MHz  
Emitted interference in the range 30 kHz to 1000 MHz

EN 61326 Interference immunity

Interference immunity to electrostatic discharge IEC 801-2  
Interference immunity to fast transients corresponding to IEC 801-4  
Interference immunity to electromagnetic fields corresponding to IEC 801-3

Scope of application is "light industrial".

Kind regards,



Dietrich Kalinsky  
Technical Manager

**Bank details:** Sparkasse Mittelhüringen, sort code: 82051000, account no.: 1600054567