



# **Dräger Polytron® 6100 EC WL**

# **Dräger Polytron® Repeater ISA**

**Notes on Approval**

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# 1 Europe (EU)

## 1.1 Device marking

Type: ETR 06\*\* or ICU 01\*\* (\* = any character)

 0158 

I M1 / II 1GD

Ex ia I Ma

Ex ia IIC T4 Ga

Ex ia IIIC T135 °C Da

–40 °C ≤ Ta ≤ +65 °C

KIWA 19 ATEX 0036X

IECEx KIWA 19.0020X

Dräger Safety, DE-23560 Lübeck

### Serial Number key

The third letter of the serial number specifies the manufacturing year: M = 2019, N = 2020, P = 2021, R = 2022, S = 2023, T = 2024, U = 2025, W = 2026, X = 2027, Y = 2028, Z = 2029, etc. (Letters G, I, O, Q are omitted)

Example: Serial Number ARMB-0001: the third letter is M, which means that the unit was manufactured in 2019.

### Radio

Max. radiated power:

Bluetooth® LE: <20 dBm EIRP

ISA 100: <20 dBm EIRP

Operating frequency:

Bluetooth® LE: 2402-2480 MHz

ISA 100: 2405-2480 MHz

## 1.2

## EC-Declaration of Conformity

EU-Konformitätserklärung  
EU-Declaration of Conformity

Dokument Nr. / Document No. SE24908-00



Wir / we Dräger Safety AG &amp; Co. KGaA, Revalstraße 1, 23560 Lübeck, Germany

erklären in alleiniger Verantwortung, dass das Produkt  
declare under our sole responsibility that the productGasmessgerät Typ ETR 06\*\* (Polytron 6100 EC WL)  
Gas Detection Instrument type ETR 06\*\* (Polytron 6100 EC WL)mit der EU-Baumusterprüfung / Expertise  
is in conformity with the EU-Type Examination Certificate / KIWA 19 ATEX 0036X  
Expertiseausgestellt von der notifizierten  
Stelle mit der Kenn-Nr.  
issued by the Notified Body  
with Identification No.  
0620und mit den folgenden Richtlinien unter Anwendung der aufgeführten Normen übereinstimmt  
and is in compliance with the following directives by application of the listed standards

Bestimmungen der Richtlinie provisions of directive		Nummer sowie Ausgabedatum der Norm Number and date of issue of standard
2014/34/EU	ATEX-Richtlinie ATEX Directive	EN IEC 60079-0:2018, EN 60079-11:2012
2014/53/EU	RED-Richtlinie RE Directive	EN 301 489-1 V2.2.0; EN 301 489-17 V3.2.0 EN 300 328 V2.1.1, EN 62311:2008 EN 62368-1:2014 EN 50270:2015+AC:2016 susceptibility: type 2 emission: type 1
2011/65/EU	RoHS-Richtlinie RoHS Directive	EN 50581:2012

Überwachung der Qualitäts-  
sicherung Produktion nach  
Modul D durch  
Surveillance of Quality Assurance  
Production acc. Module D byDEKRA Testing and  
Certification GmbH  
Handwerkstr.15  
D-70565 Stuttgart  
0158

Lübeck, 2019-10-08

Ort und Datum (jjjj-mm-tt)  
Place and date (yyyy-mm-dd)

Dr. Marcus Romba  
Head of Electronic Engineering  
Head of Product Qualification  
Safety Products  
Research & Develop



**EU-Konformitätserklärung**  
**EU-Declaration of Conformity**

Dokument Nr. / Document No. SE24909-00



Wir / we

Dräger Safety AG & Co. KGaA, Revalstraße 1, 23560 Lübeck, Germany

erklären in alleiniger Verantwortung, dass das Produkt  
 declare under our sole responsibility that the product

**Gasmessgerät Typ ICU 01\*\* (Polytron Repeater ISA)**  
**Gas Detection Instrument type ICU 01\*\* (Polytron Repeater ISA)**

mit der EU-Baumusterprüfung / Expertise  
 is in conformity with the EU-Type Examination Certificate /  
 Expertise

**KIWA 19 ATEX 0036X**

ausgestellt von der notifizierten  
 Stelle mit der Kenn-Nr.  
 issued by the Notified Body  
 with Identification No.  
 0620

Kiwa Nederland B.V.  
 Wilmersdorf 50  
 7300 AC Apeldoorn  
 Netherlands  
 0620

und mit den folgenden Richtlinien unter Anwendung der aufgeführten Normen übereinstimmt  
 and is in compliance with the following directives by application of the listed standards

Bestimmungen der Richtlinie <i>provisions of directive</i>		Nummer sowie Ausgabedatum der Norm <i>Number and date of issue of standard</i>
2014/34/EU	ATEX-Richtlinie <i>ATEX Directive</i>	EN IEC 60079-0:2018, EN 60079-11:2012
2014/53/EU	RED-Richtlinie <i>RE Directive</i>	EN 301 489-1 V2.2.0; EN 301 489-17 V3.2.0 EN 300 328 V2.1.1, EN 62311:2008 EN 62368-1:2014 EN 50270:2015+AC:2016 susceptibility: type 2 emission: type 1
2011/65/EU	RoHS-Richtlinie <i>RoHS Directive</i>	EN 50581:2012

Überwachung der Qualitäts-  
 sicherung Produktion nach  
 Modul D durch  
 Surveillance of Quality Assurance  
 Production acc. Module D by  
 0158

DEKRA Testing and  
 Certification GmbH  
 Handwerkstr.15  
 D-70565 Stuttgart  
 0158

Lübeck, 2019-10-08

Ort und Datum (yyyy-mm-tt)  
*Place and date (yyyy-mm-dd)*

  
 Dr. Marcus Romba  
 Head of Electronic Engineering  
 Head of Product Qualification  
 Safety Products  
 Research & Develop

**2****USA**

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

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 This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

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However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

**FCC responsible party:****Draeger Inc.**

7256 S. Sam Houston W. Parkway

Suite 100

Houston, TX 77085 USA

phone: +1 346-802-6111

e-mail: DIHouston.Approvals@draeger.com

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## Canada

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

1. This device may not cause interference.
2. This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

1. L'appareil ne doit pas produire de brouillage;
2. L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

■ Manufacturer  
**Dräger Safety AG & Co. KGaA**  
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+49 451 8 82-0

**9300060** – IfU 4683.630 enUS

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Subject to alteration

[www.draeger.com](http://www.draeger.com)

