

# INFRA D10 Data logger

The INFRA system is used to monitor construction site activities, blasting, train traffic, road traffic, vibration in buildings etc.

INFRA D10 is a digital data logger with high capacity data storage and flexible communication capabilities.

All data is buffered on the memory card and is sent when the next cellular communication takes place.

If cellular communication is not possible, data is kept for later transfer.

SMS can be sent directly from the data logger to one or several recipients. Both SMS and e-mails can be sent from INFRA Net.

Project administration, data presentation, reports, analysis and graphs can easily be performed with INFRA Net software.

**5010 — INFRA D10 Li-ion batteries or on external power**



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## INFRA D10 features:

Color display

Low power / Long battery life

External power for long term unattended monitoring

Built-in 4G modem with 3G and 2G fallback

Remote management in INFRA Net

Extremely rugged design

No calibration needed

Micro SD memory card

“Plug & Measure” installation of sensors, up to 16 nodes per INFRA D10

# Technical Data

## DATA INPUT

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Bus cable for data communication and power supply for connected sensors.

The sensors are connected with a T-coupling and a drop cable. Up to 16 sensors can be connected. All sensors and sensor converters has an industrial type M12 connector. Maximum total cable length up to 800 meter.

## MEMORY

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Micro SD industrial memory card. 1 GB in standard configuration.

## DATA TRANSFER

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All data is buffered on the memory card and is sent when the next cellular communication takes place. If cellular communication is not possible, data is kept for transfer at a later time.

## DATA SMS

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SMS can be sent directly from the data logger to one or several recipients. Both SMS and e-mails can be sent from INFRA Net.

## SERVICE SMS

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SMS can be sent directly from INFRA D10 to service personnel when battery voltage is low, if sensors are lost/disconnected or when memory is close to full.

## POWER SUPPLY

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INFRA D10 uses li-ion batteries with an internal holder for 2 li-ion batteries. An external power can be connected during monitoring. When the external power is removed INFRA D10 will directly switch to internal battery supply with no interruption in monitoring.

INFRA D10 supplies power to all connected sensors.

## DISPLAY

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128\*128 pixels color display.  
Operating temperature -20 to + 50 °C (-4 to 122 °F)

## FIRMWARE

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Updates remotely or via USB

## CALIBRATION

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No calibration needed on INFRA D10 datalogger

## OPERATIONS

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**Remote:** Devices can be operated remotely through INFRA Net software.

**On site:** All sensor settings can be changed via INFRA D10 display and keyboard or via mobile phone.

## MECHANICAL

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Watertight plastic PELI-case.

**Dimensions:** 130 x 250 x 270 mm (5.1 x 9.8 x 10.6 in)  
(excluding connector and standoffs)

**Material:** Copolymer polypropylene  
Protection class IP67 with lid closed

**Weight:** 3,3 kg (7,3 lbs) batteries included

## CE APPROVAL

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Fulfills EMC demands according to:

EN 301 489-1 V1.8.1 (2008)

EN 301 489-7 V1.3.1 (2005)

EN 61326-1 (2006)