

## Declaration of Conformity

**This declaration is valid for the following products:**

FAST EnergyCam RF  
FAST EnergyCam RF with external antenna  
FAST EnergyCam  
FAST EnergyCam Data Logger

Hereby the equipment is confirmed to comply with the following standards and/or other normative documents, by specific reference to the essential requirements of Article 3 of the Directive 1999/5/EC, the Electromagnetic Compatibility (2004/108/EC). The following specifications and standards have been applied:

EN 60950-1:2006+ A11:2009+A1:2010+A12:2011  
EN 301 489-3 V1.4.1  
EN 301 489-1 V1.8.1  
EN 55022:2010  
EN 55024:2010  
EN 300 220-2 V2.4.1  
EN 50581:2012  
EN 62479

The following company is responsible for this declaration:

FAST FORWARD AG  
Mansfelder Straße 56  
D - 06108 Halle (Saale)  
Germany

Munich, December 2nd 2014



## TEST REPORT

EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013

### Information technology equipment – Safety – Part 1: General requirements

Report reference No ..... : 140778-AU01+S01

Tested by  
(printed name and signature) ..... : Richard Gierl



Approved by  
(printed name and signature) ..... : Andreas Brunner



Date of issue ..... : 2014-12-02

Testing Laboratory Name ..... : EMV Testhaus GmbH

Address ..... : Gustav-Hertz-Straße 35  
D-94315 Straubing  
Germany

Telephone: ..... +49 (0)9421-56868-0  
Fax: ..... +49 (0)9421-56868-100

Applicant's Name ..... : FAST FORWARD AG

Address ..... : Rüdesheimer Straße 11  
..... : 80686 München

#### Test specification

Standard ..... : EN 60950-1:2006+ A11:2009+A1:2010+A12:2011+A2:2013

Test procedure ..... : CE conformity test

Non-standard test method ..... :

Test item description ..... : EnergyCam with USB Communication Interface

Trademark ..... : FAST FORWARD AG

Manufacturer ..... : FAST FORWARD AG

Model and/or type reference ..... : FAST EnergyCam USB  
USB module: Art.-Nr. 1063  
Energy cam: Art.- Nr. 1003

Serial number ..... : --

Rating(s) ..... : USB supplied (5Vdc)

#### General product information:

The product is a class III clip-on meter reader for a remote readout system with USB communication interface module.



EMV **TESTHAUS** GmbH  
Gustav-Hertz-Strasse 35  
94315 Straubing  
Germany

Revision 1.0

FAST FORWARD AG

EnergyCam with USB Communication Interface  
FAST EnergyCam USB

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## SHORT TEST REPORT

EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013

### Information technology equipment – Safety – Part 1: General requirements

Report reference No ..... : 140742-AU01+S01\_R1

Tested by  
(printed name and signature) ..... : Richard Gierl

Approved by  
(printed name and signature) ..... : Andreas Brunner

Date of issue ..... : 2014-11-20

Testing Laboratory Name ..... : EMV Testhaus GmbH

Address ..... : Gustav-Hertz-Straße 35  
D-94315 Straubing  
Germany

Telephone: ..... +49 (0)9421-56868-0  
Fax: ..... +49 (0)9421-56868-100

Applicant's Name ..... : FAST FORWARD AG

Address ..... : Rüdeshheimer Straße 11  
..... : 80686 München

#### Test specification

Standard ..... : EN 60950-1:2006+ A11:2009+A1:2010+A12:2011+A2:2013

Test procedure ..... : **Partial test only.**

Non-standard test method ..... :

Test item description ..... : RS 232 / RS 485 / M-Bus Communication Interface

Trademark ..... : FAST FORWARD AG

Manufacturer ..... : FAST FORWARD AG

Model and/or type reference ..... : RS 232: Art.-Nr. 1060 / Pilot production  
RS 485: Art.-Nr. 1064, V 2.0  
M-Bus: Art.-Nr. 1062, V 3.0

Serial number ..... : --

Rating(s) ..... : USB supplied or  
4,75V-24VDC; ≤100mA

#### General product information:

The product is a class III communication interface device for the FAST EnergyCam.

The product is supplied by a external power supply unit (Iout: max. 10A) or by USB connector (limited power source)



EMV **TESTHAUS** GmbH  
Gustav-Hertz-Strasse 35  
94315 Straubing  
Germany

Revision 1.0

FAST FORWARD AG

Communication Interface  
RS 232 / RS 485 / M-Bus

140742-AU01+S01\_R1

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## TEST REPORT

EN 60950-1:2006+A11:2009+A1:2010+A12:2011

### Information technology equipment – Safety – Part 1: General requirements

Report reference No ..... : 140657-AU01+S01

Tested by  
(printed name and signature) ..... : Richard Gierl



Approved by  
(printed name and signature) ..... : Andreas Brunner



Date of issue ..... : 2014-11-03

Testing Laboratory Name ..... : EMV Testhaus GmbH

Address ..... : Gustav-Hertz-Straße 35  
D-94315 Straubing  
Germany

Telephone: ..... +49 (0)9421-56868-0  
Fax: ..... +49 (0)9421-56868-100

Applicant's Name ..... : FAST FORWARD AG

Address ..... : Rüdesheimer Straße 11  
..... : 80686 München

#### Test specification

Standard ..... : EN 60950-1:2006+ A11:2009+A1:2010+A12:2011

Test procedure ..... : **Partial test only.**  
**Only the clauses which are described in this test report were tested.**

Non-standard test method ..... :

Test item description ..... : FAST EnergyCam

Trademark ..... : FAST FORWARD AG

Manufacturer ..... : FAST FORWARD AG

Model and/or type reference ..... : FAST EnergyCam / Art.-Nr. 1072

Serial number ..... : --

Rating(s) ..... : 3,6V

#### General product information:

The product is a class III battery operated device for read-out values of counter/meter.



EMV **TESTHAUS** GmbH  
Gustav-Hertz-Strasse 35  
94315 Straubing  
Germany

Revision 1.0

FAST FORWARD AG  
FAST EnergyCam / Art.-Nr. 1072

140657-AU01+S01

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# EMV Test Report

*DUT*

## Energy-CAM V0.45

### *Measurements*

Emission EN 301 489-1 V1.8.1  
EN 301 489-3 V1.4.1 / EN 55022:2010

Immunity EN 301 489-1 V1.8.1 / EN 301 489-3 V1.4.1 / EN 55024:2010

**EN 55022**  
**EN 61000-4-2**  
**EN 61000-4-3**  
**EN 61000-4-4**  
**EN 61000-4-6**

### *Customer*

*FAST Forward AG*

### *Created by*

**ConSYtronic**  
Franz Huber Dipl.- Ing. (FH)  
Sigersdorf 4  
85560 Ebersberg

**ConSYtronic**

Franz J. Huber Dipl.- Ing. (FH)

*Author:*  
Franz Huber

*Last changes:*  
22.10.2014

Energy-CAM V0.45

**FAST Forward AG**

*File:*  
Energy\_CAM\_V045.doc

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## **Administrative Summary**

IMST GmbH  
Test Center, ERM Test Lab  
Carl-Friedrich-Gauss-Str. 2-4  
D-47475 Kamp-Lintfort  
GERMANY  
Phone: +49 2842 981-0

**Subject: ETSI EN 300 220-2 V2.4.1 (2012-01), Radio Spectrum Matters (ERM)**

**Customer:** Fast Forward AG  
Rüdesheimer Strasse 11  
D-80686 München  
GERMANY

**Device (DUT):** Energy Cam V0.45

The Test Report, No. Energy Cam V0.45\_220\_2014\_60, has found the following objections:

**The devices have PASSED the tests hereunder without limitations.**

Test Engineer: Frank Tofahrn, ERM Test Lab  
Date: October 22, 2014

Originator: <u>Frank Tofahrn</u>	Approved: <u>Heinz Lüdiger</u>
Frank Tofahrn	Heinz Lüdiger
Test Engineer	Quality Assurance

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