

AMS Trex 设备通讯器



主题:

- AMS Trex设备通讯器产品介绍
- AMS Trex设备通讯器售后支持
- AMS Trex设备通讯器选型

AMS Trex 设备通讯器

IP 54, 坚固防摔外壳

I.S. 本安/危险区域批准



长时间运行的电源

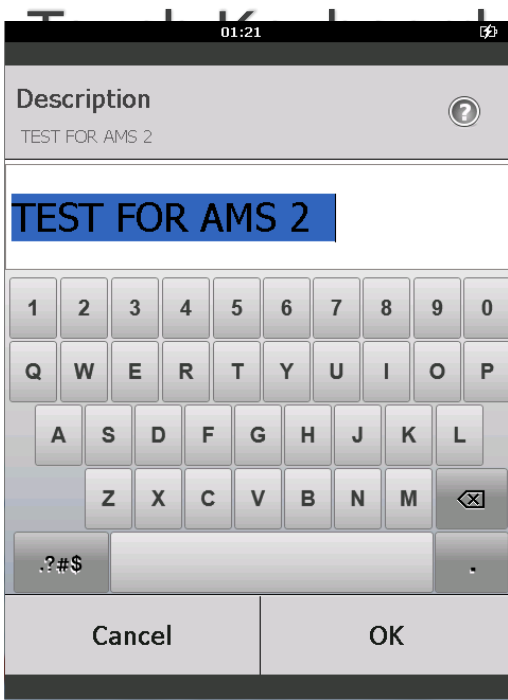


一体式支架

5.7"彩色 触摸屏

便携式手带

触摸式键盘



AMS Trex 设备通讯器

- 全面代替475所有功能
- 支持HART/Foundation Fieldbus 设备.
 - 调试/组态/诊断/消缺（故障排除）
- 适用工厂所有场所– 本安
 - CCC, ATEX, CSA (US & Canada), FISCO, and IECEx
- 一专多能
 - 无需额外回路供电/万用表/匹配电阻
- 专业运用软件包-Apps
 - 回路诊断/FF总线诊断/ValveLink 阀门诊断
- 与AMS智能设备管理系统数据库自动同步
 - Wi-Fi or USB

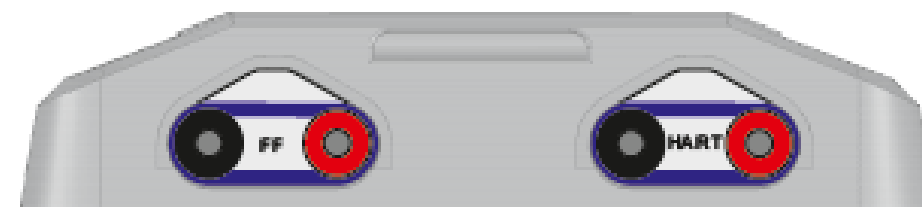


Go Everywhere. Power Devices. Great Apps. Auto Sync with AMS Device Manager.

通讯模块 (模块化)

- 新设计的多功能通讯模块
 - HART回路直接供电
 - 直接测量回路电流电压
 - 直供可变电流源
 - FF回路直接供电
 - FF网段诊断
- 优点 – 少买少带专业工具

标准通讯模块



多功能通讯模块



回路校验
仪



HART/FF
电源



万用表测
量回路电
流电压



Fieldbus 示
波仪

回路供电：提高工作效率

以前



- 通讯器
- 直流供电
- 万用表
- 250欧姆电阻

以后!!



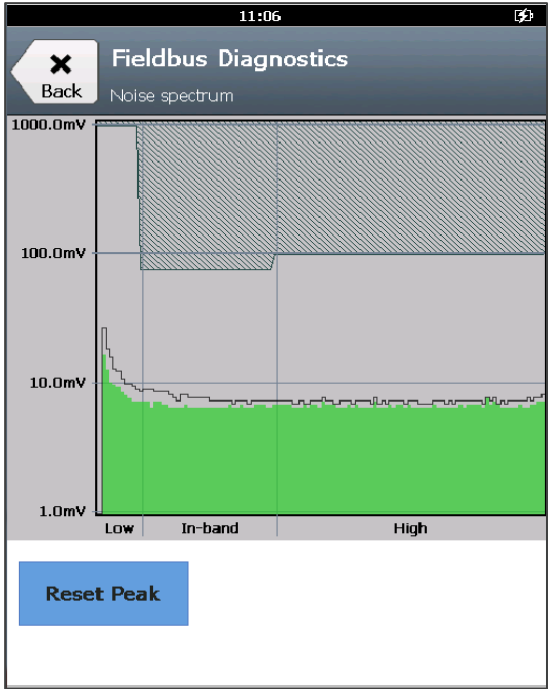
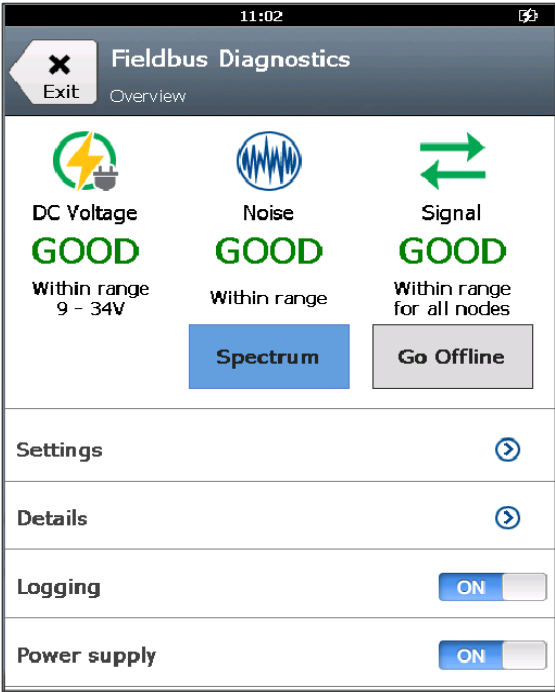
- AMS Trex设备通讯器
- ~~直流供电~~ 不需要
- ~~万用表~~ 不需要
- ~~250欧姆电阻~~ 不需要

全新用户体验 – 快速, 直接, 高效

总览

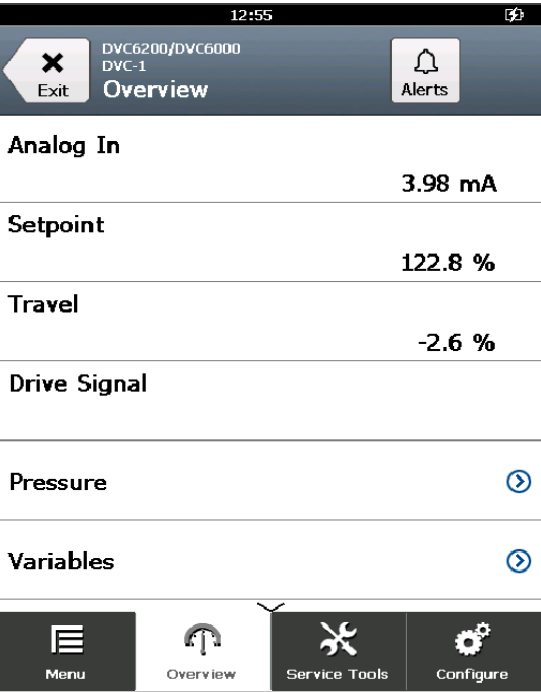


Fieldbus
诊断

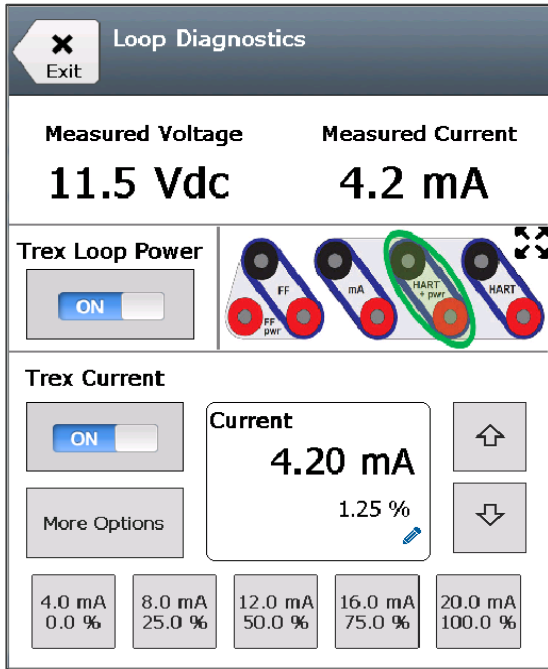
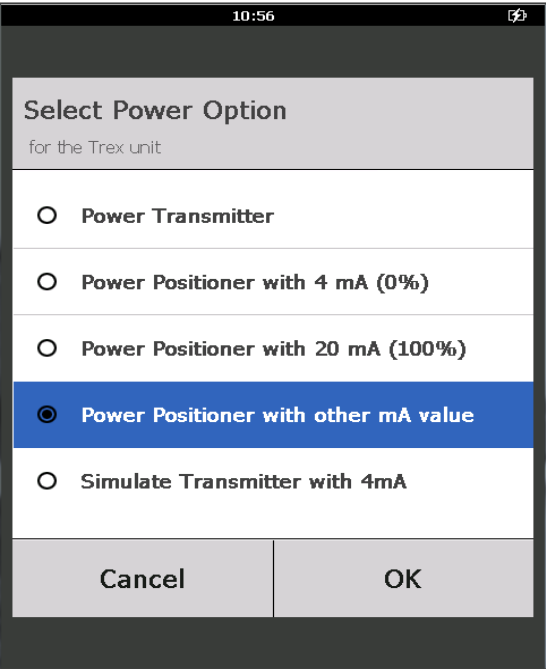


Fieldbus Diagnostics			
Details			
Measurement	Value	Min	Max
DC Voltage	11.3	0.4	12.6
Noise			
Low Freq (870 Hz - 9 KHz)	13	9	38
In-Band Freq (9 KHz - 39 KHz)	7	7	15
High Freq (39 KHz - 100 KHz)	7	7	21
Signal			
Devices Found	2		
TREX Device Communicator@253	665	645	666
PT111@35	813	799	834

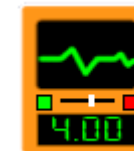
参数



回路诊断



诊断 Apps – Loop Diagnostics回路诊断



- 确认回路4-20mA电流

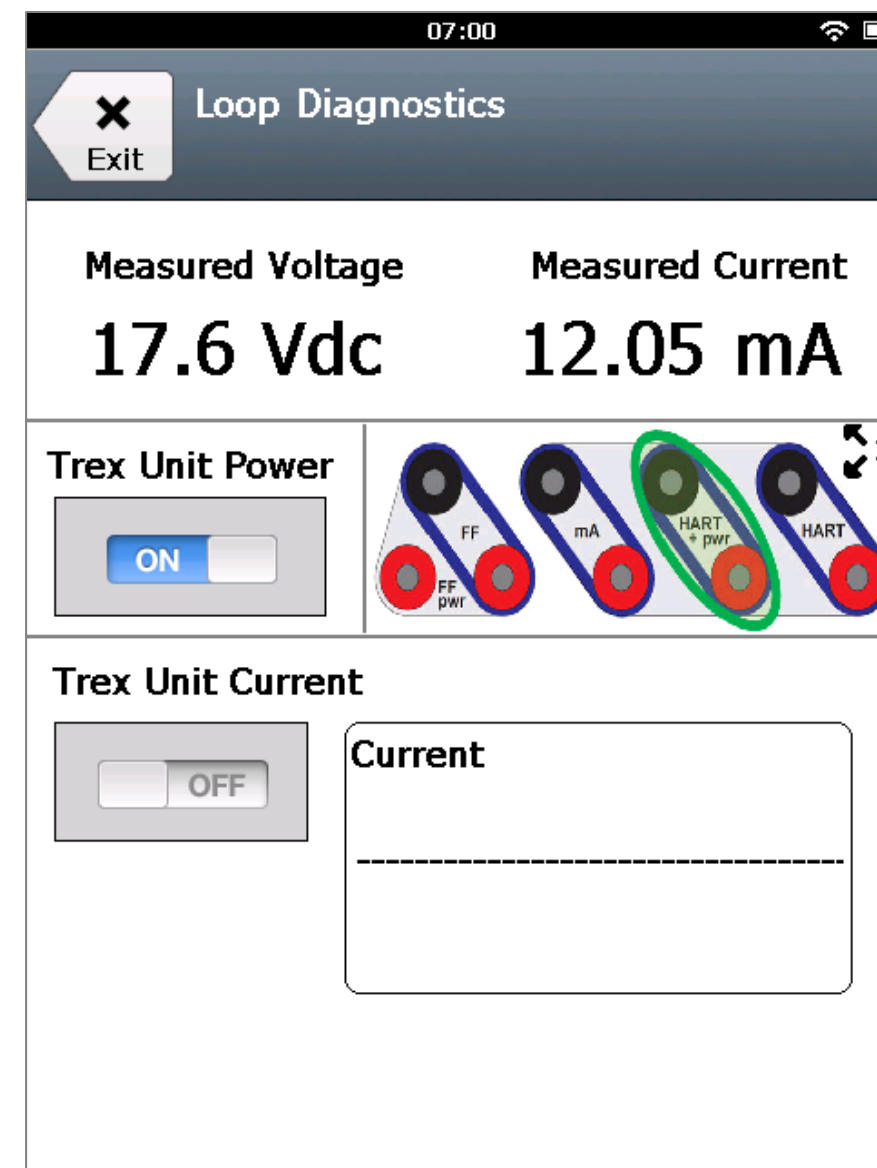


Host System

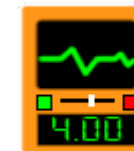


AMS Trex

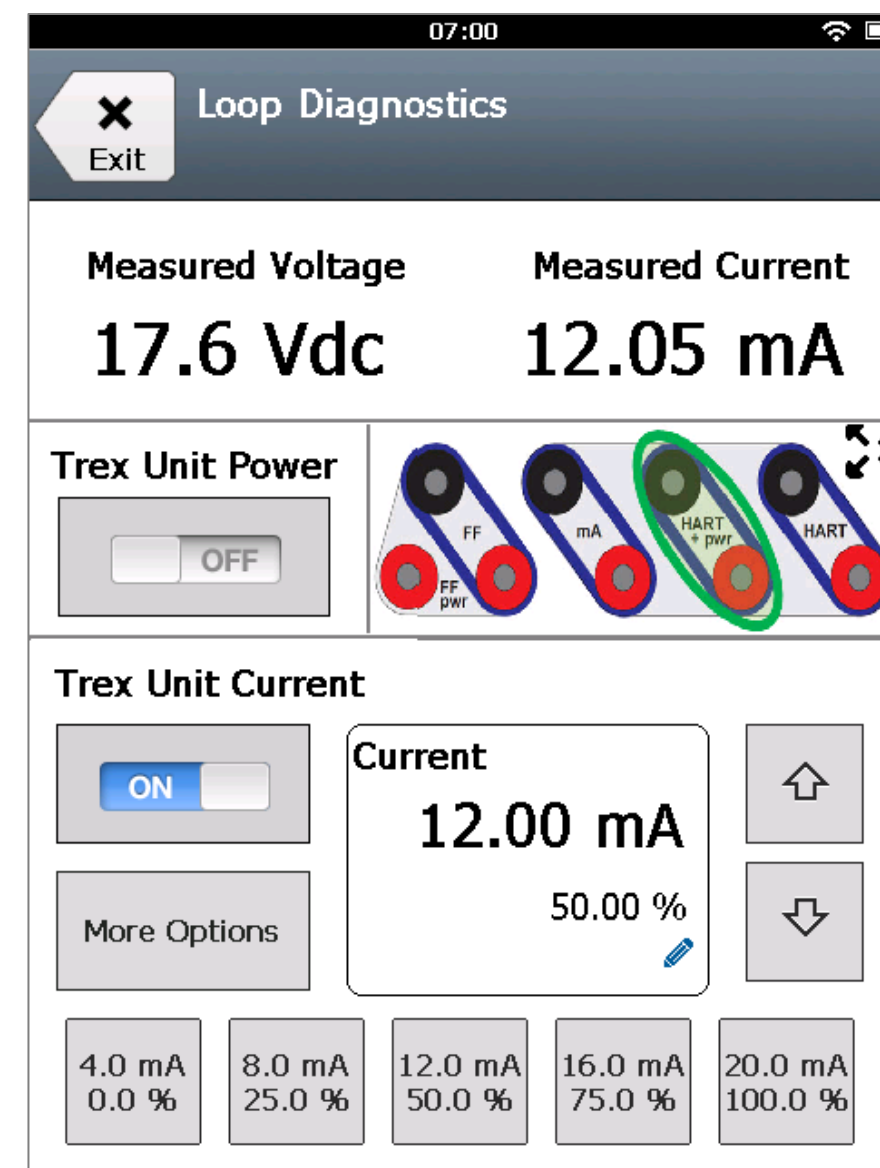
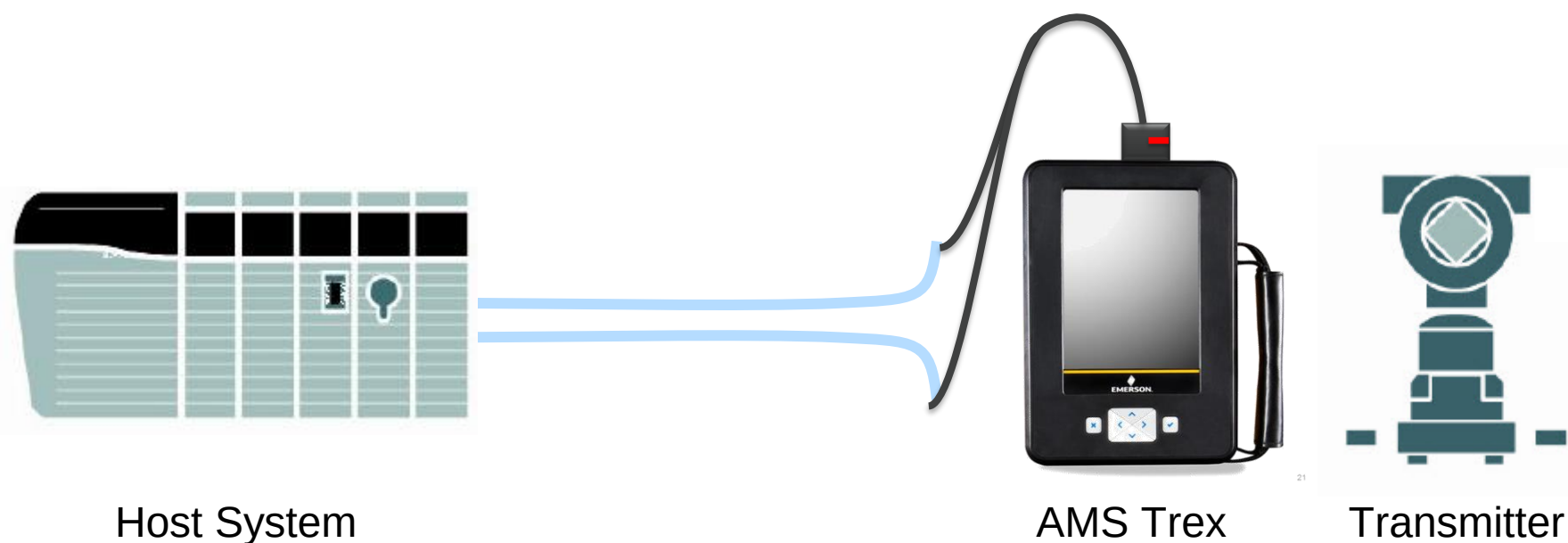
Transmitter



诊断 Apps – Loop Diagnostics回路诊断



- 确认DCS/PLC/SCADA 4-20 mA 读取（模拟输出）



诊断 Apps – Loop Diagnostics回路诊断

- 直接电流驱动阀门 4-20 mA 输出

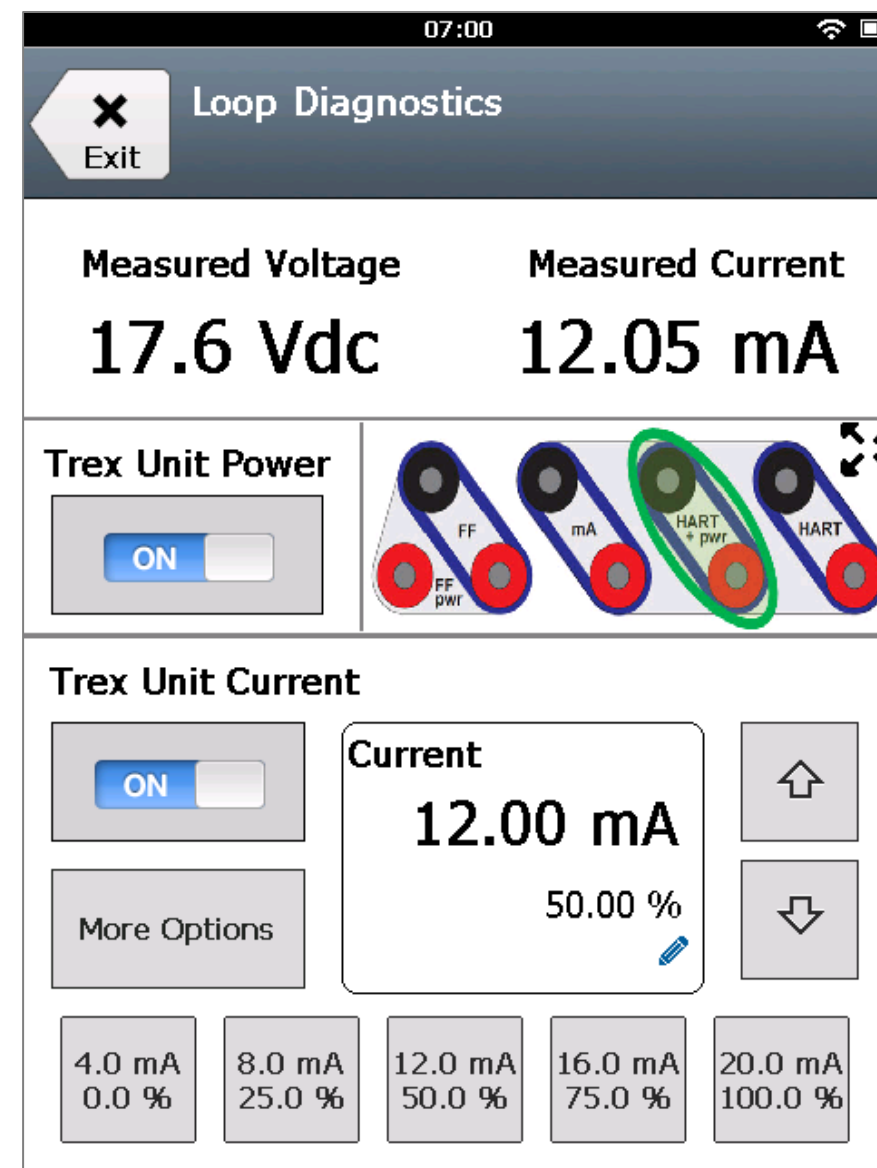


Host System



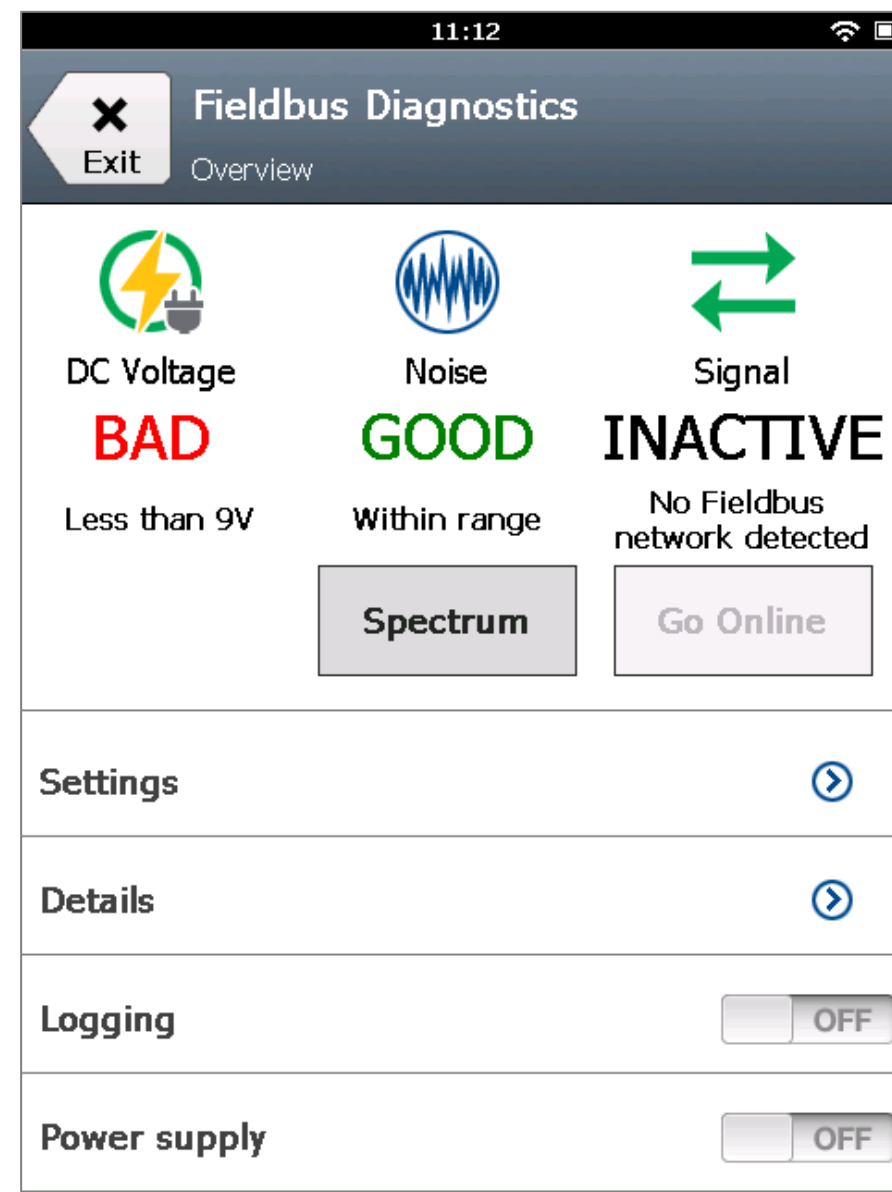
AMS Trex

Positioner



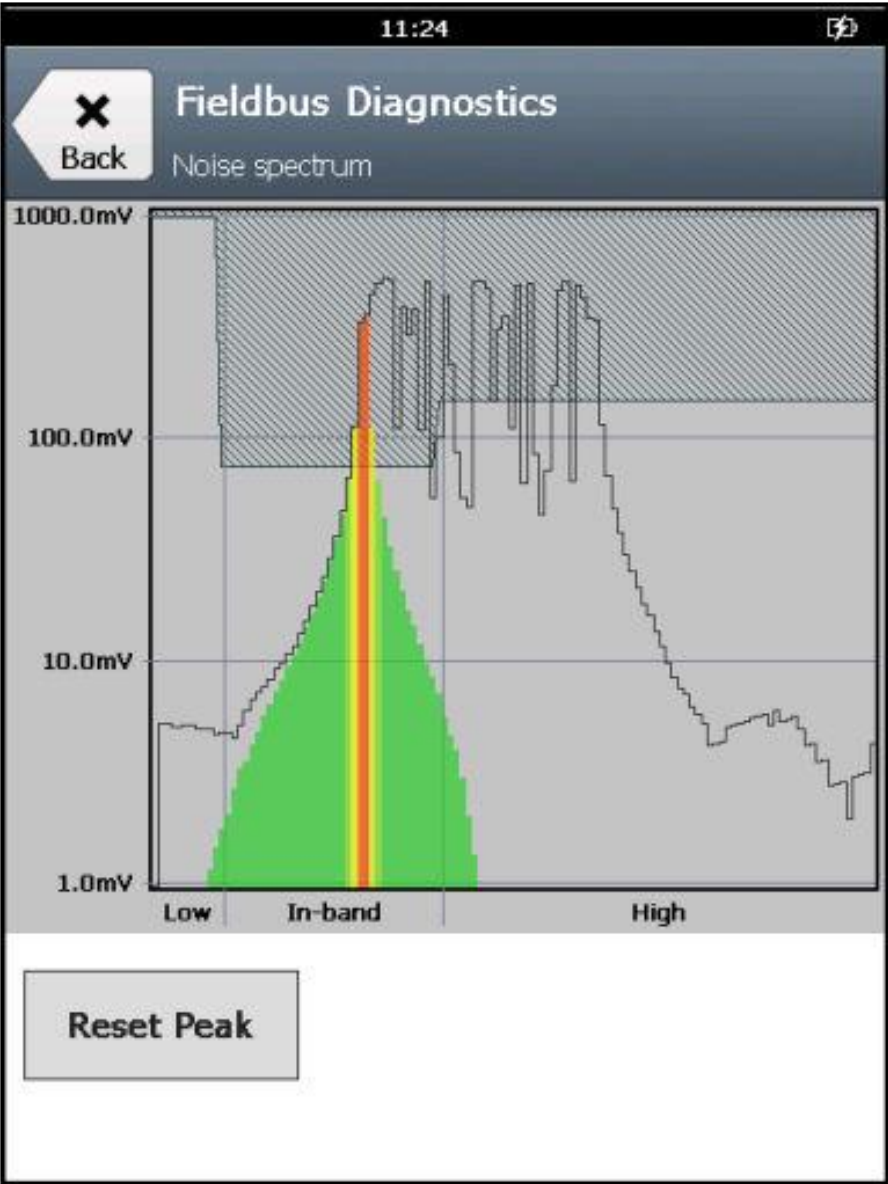
诊断 Apps – Fieldbus网段 诊断

- 快速总线故障测试
- 长期测试捕捉偶发故障
- 定期测试追踪网络趋势

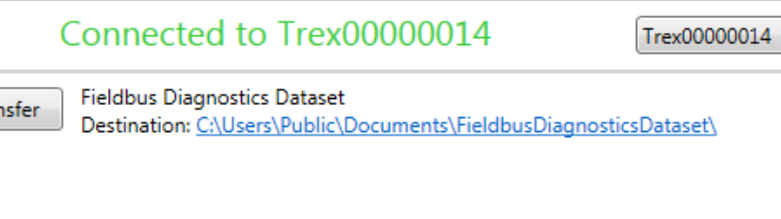


诊断 Apps – Fieldbus网段诊断

- 波形显示噪声确认潜在故障
- 细节统计



Fieldbus Diagnostics			
Details			
Measurement	Value	Min	Max
DC Voltage	12	0.3	13.3
Noise			
Low Freq (870 Hz - 9 KHz)	2	0	3
In-Band Freq (9 KHz - 39 KHz)	0	0	0
High Freq (39 KHz - 100 KHz)	0	0	0
Signal			
Devices Found	2		
TREX Device Communicator@253	809	794	818
644R2DEV16@240	884	865	908

- 
- Trex File Transfer Utility - Version 1.0
- Connected to Trex00000014
- Trex00000014
- Transfer Fieldbus Diagnostics Dataset
Destination: <C:\Users\Public\Documents\FieldbusDiagnosticsDataset\>
- Transfer ValveLink Mobile Dataset
Destination: <C:\Users\Public\Documents\ValveLinkMobileDataset\>

[illegible]

与AMS自动同步的数据整合



AMS Suite: Intelligent Device Manager

File Edit View Tools Window Help

Device Explorer

Current Device

- AMS Device Manager
 - Plant Locations
 - Waste
 - RCC
 - Unit
 - Equipmen
 - Control
 - Wall
 - Calibration
 - Device List
 - Physical Networks

Tag

- 2051-WPT1
- 3051 green battery Matt B
- 3051SMV-Thummer
- 3051SMV_INST
- 3308 Demo Unit 5
- 705 CUBS DESK
- 848T-Flow (SV is 0 to 300 GP
- Best DP Flow
- BINGER_S BEST
- DP FLOW-1
- LEVEL SPECIALSTR
- rcc-rev4
- RCC3308 LEVEL SPECIALIST B
- RL_DEMO_702
- STEAM708YPI

Detail Viewer

Date/Time of Event

Date 7/13/2016 Time 2:24:14 PM

Source of Event

User Tim

Computer 10.208.122.69

Source Trex1234

Tag 648_Rev2

Manufacturer Rosemount

Device Type 648 Wireless

Revision 2

Identifier 4102956

Event

Type Configuration Change

Category

Reason

Change performed by Tim with Trex

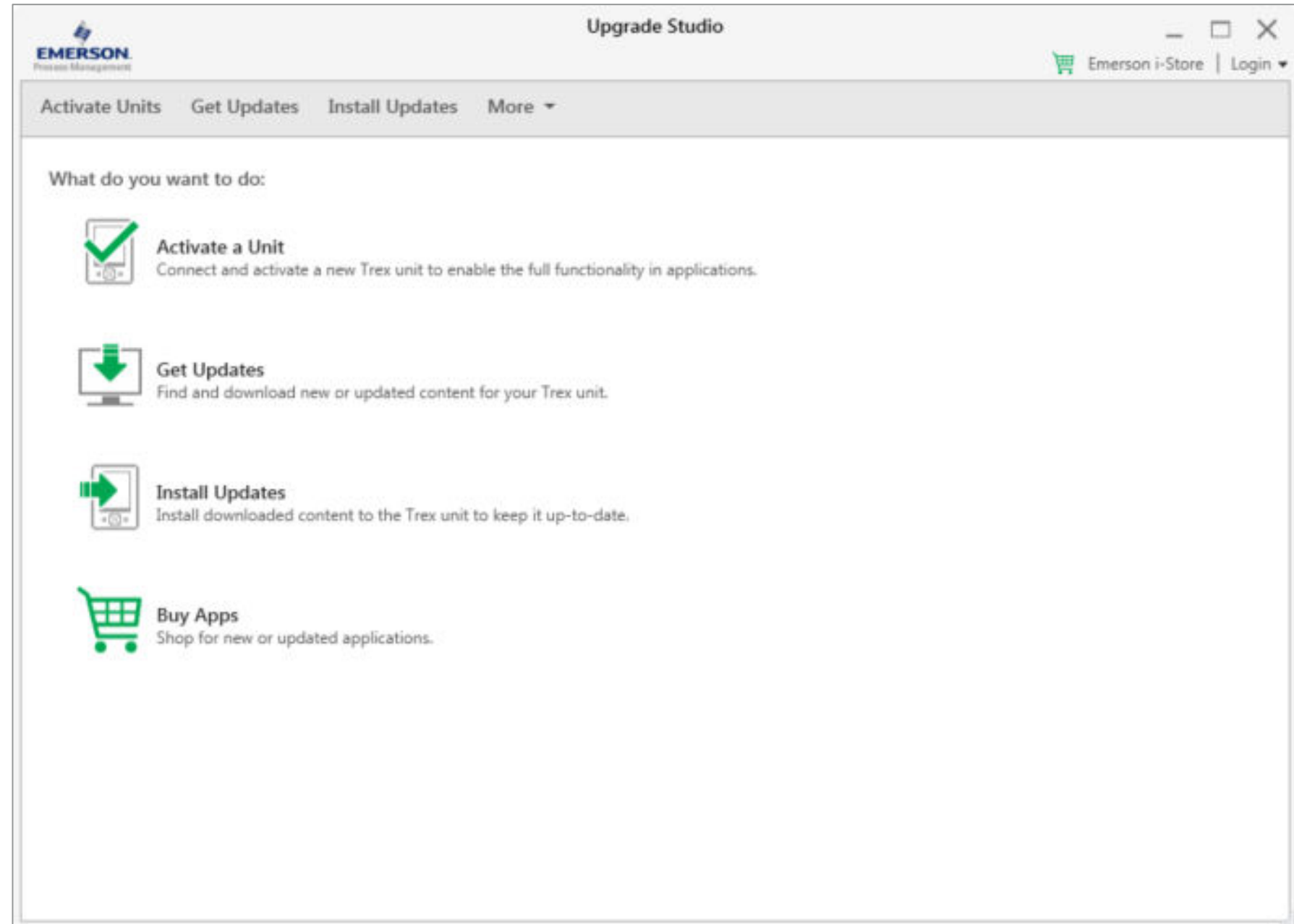
More Detail

Parameter	As Found	As Left
AC Power Filter	Unknown	60 Hz
Unit	Unknown	degC
Ambient Class	Unknown	Device variable not cl...
Supply Units	Unknown	V
Supply Voltage Class	Unknown	Device variable not cl...

Close Help

Upgrade Studio运用软件

- 软件用于
 - 激活
 - 固件和APP的升级
 - 购买其他APP
 - DD升级
- 通过USB连接
 - Wi-Fi
- 通知哪台AMS Trex需要升级



激活：

- 所有AMS Trex出厂均未激活：
 - 仪表组态及帮助可用
 - 可以回路供电
- 激活后：
 - 获取售后支持 (支持计划见后面)
 - 产品通知
 - 免费使用(诊断功能和ValveLink Mobile)
 - 通过Upgrade Studio进行产品更新
- 通Upgrade Studio激活AMS Trex：
 - 使用AMS Trex 在线帐户自动激活
 - 通过电话或邮件索取激活码

Don't Have an Activation Code: Trex210100000174

Activate directly by connecting to the internet and logging into your Trex Online account.

Or an activation code can be provided through email when you provide the serial number of your Trex unit to:

World Wide Customer Service

Phone: Toll free 888.367.3774, option 2 (U.S. and Canada)
+63.2.702.1111 (Rest of world)

Email: WWCS.CustServ@emerson.com

Your serial number is: 210100000174

Ok

Login to your Account

?

Login

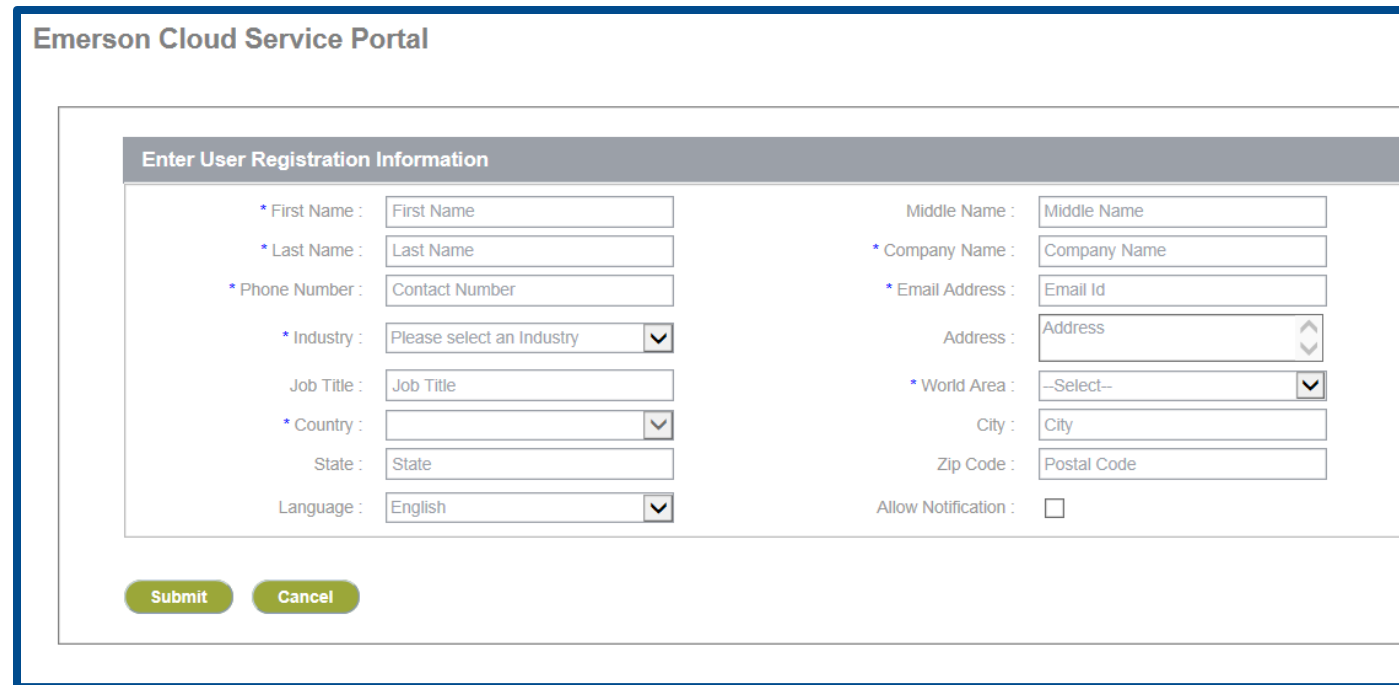
[Create an Account](#)

AMS Trex 帐户注册:

NEED YOUR HELP: 请尽早注册

URL: www.emerson.com/Trex

Direct URL: <https://ecs.emersonprocess.com/ecsportal/account/register>



The screenshot shows the 'Emerson Cloud Service Portal' registration page. The form is titled 'Enter User Registration Information' and contains the following fields:

Enter User Registration Information	
* First Name :	First Name
* Last Name :	Last Name
* Phone Number :	Contact Number
* Industry :	Please select an Industry
Job Title :	Job Title
* Country :	
State :	State
Language :	English
Middle Name :	Middle Name
* Company Name :	Company Name
* Email Address :	Email Id
Address :	Address
* World Area :	--Select--
City :	City
Zip Code :	Postal Code
Allow Notification :	☐

At the bottom of the form are two buttons: 'Submit' and 'Cancel'.

- 推荐所有用户注册.
- **注册免费!**
- 用来激活AMS Trex units

Agenda:

- AMS Trex设备通讯器 产品介绍
- **AMS Trex设备通讯器售后支持**
- AMS Trex设备通讯器选型

两种售后支持服务：

	Standard Support	Premium Support	Expired Support
Support Period	1(S1) or 3(S3) years	1(P1) or 3(P3) years	N/A
Phone Support (Provided by GSC and Sales Channels)			
Rate Card			x
Unlimited Free Phone Support	x	x	
Software Updates (Provided by Trex Technology)			
SW Updates: Major Application/Firmware/OS	x	x	
SW Updates: Minor Application/Firmware	x	x	x
DD Updates: Automated (Tested/Bulk)	x	x	
DD Updates: Manual (Untested/1 at a time)	x	x	x
Update Notifications by e-mail	x	x	
Service Centers (Primary - PSS Service Centers)			
Warranty Repair (Year 1)	std with unit	std with unit	
Accidental Damage Coverage		x	
Extended Coverage Against Manufacturing Defects		x	

标准售后支持服务：

- 质保：仅负责制造缺陷
- 不负责意外损坏



高级售后支持服务：意外损坏包括哪些

包括

- ✓ 液体撒在表面或进入设备
- ✓ 高空掉落或碰撞
- ✓ 过流损坏
- ✓ 显示屏摔坏
- ✓ 保险丝断

不包括

- ✗ 故意的损坏 (如有锤击痕迹)
- ✗ 正常磨损
- ✗ 外表损伤
- ✗ 被盗



- 意外损坏的细节必须通过故障电话提供
- 1起事故/ 365 天
- 替换件可能是翻新的

售后支持服务续签

- 每台新AMS Trex均包括支持服务。
- 标准售后支持和高级售后支持均可续签。
- 标准售后支持续签可直接采购续约，无须送到服务中心检测。
- 过期的高级售后支持续签必须先送到服务中心检测。



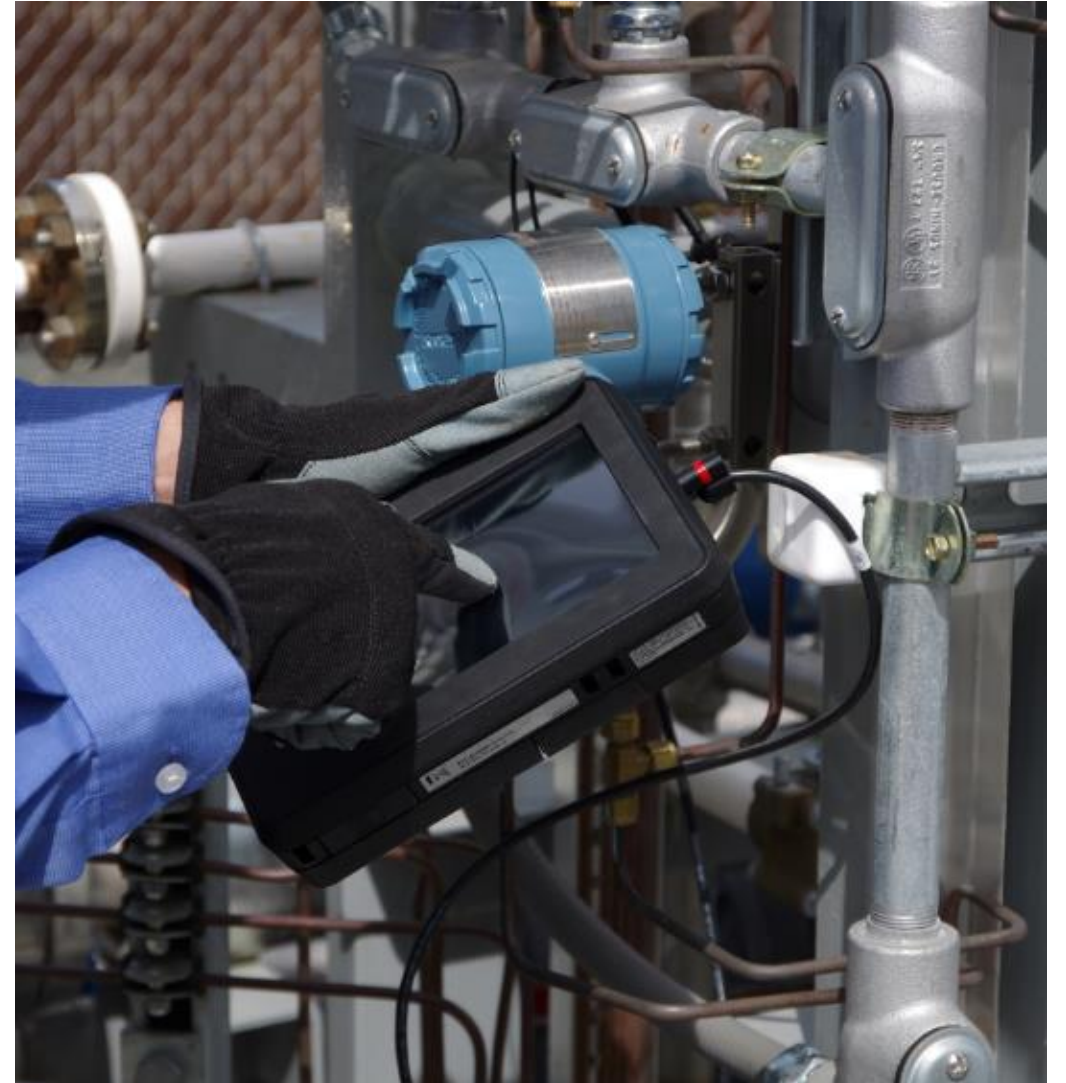
服务中心：

高级服务中心 上海，

包振勤

021-28929065

Jessica.bao@emerson.com



Agenda:

- AMS Trex设备通讯器产品介绍
- AMS Trex设备通讯器售后支持
- **AMS Trex设备通讯器选型**

选型

订购信息

型号	产品说明
TREX	Trex 基础平台 ⁽¹⁾
代码	通讯模块
C	标准通讯模块,两组插孔: HART/FF
L	多功能通讯模块 ⁽²⁾ 直接仪表供电, 内置集成电阻和 FF 终端匹配, 5 组插孔: HART/HART+供电/安培表/FF/FF+供电
代码	应用
H	HART 应用
F	HART + FF 应用 ⁽³⁾
代码	电源模块类型
P	可充电锂电池模块
代码	产品认证
KL	ATEX, CSA (美国/加拿大) 及 IECEx 本质安全 (包含 FISCO 适用的情况)
NA	无认证
代码	无线电选项
W	无线 ⁽⁴⁾
9	无
代码	支持 ⁽⁵⁾
S1	标准支持 (1 年) ⁽⁶⁾
S3	标准支持 (3 年) ⁽⁶⁾
P1	高级支持(1 年) ⁽⁷⁾
P3	高级支持(3 年) ⁽⁸⁾
代码	选项
S	便携包 (软)

典型 HART 型号: TREX L H P KL W S3S
典型 HART/FF 型号: TREX L F P KL W P3S



HART: TREXCHPKLWS3S
TREXLHPKLWS3S

FF: TREXCFPKLWS3S
TREXLFPKLWS3S

语言: 英文/中文/

AMS Trex 标准包装包括



**DEVICE COMMUNICATOR
MODULE**

TREX-PMDC-1211



**DEVICE COMMUNICATOR PLUS
MODULE**

TREX-PMDP-1211

POWER THE LOOP & LOOP DIAGNOSTICS



HAND STRAP

TREX-0005-0002



LEAD SETS

Lead sets w/ connectors
TREX-0004-0001



FF POWER PLUG

Foundation Fieldbus
TREX-FFPA-0001
Standard with FF

AMS TREX PLATFORM

- ✓ HART -OR- HART + FF
- ✓ Device Communicator -OR- Device Communicator Plus
- ✓ AMS ValveLink APP
- ✓ Power Module
- ✓ IS -OR- Non-IS
- ✓ Wireless / None
- ✓ Support



AC ADAPTER

US, EU, UK, AU plugs
TREX-0003-0001



USB CABLE

USB to micro USB
TREX-0004-0002



QUICK START GUIDE

Multi - Lingual
TREX-0045-0001



RESOURCE DVD

TREX-0049-DVD1

附件:

Cables



LEAD SETS

Leads + Connectors
Trex-0004-0001



USB CABLE

USB – micro USB
Trex-0004-0002



FF ADAPTOR

FF Power Plug
Trex-FFPA-0001

Communication Modules



DEVICE COMMUNICATOR PLUS MODULE

Trex-PMDC-1211

DC PLUS w/ 3 YR SUPPORT MODULE + Premium Support

Trex-PMDC-3611



DEVICE COMMUNICATOR

HART / FF MODULE
Trex-PMDC-1211

DC w/ 3 YR SUPPORT

MODULE + Premium Support
Trex-PMDC-3611



REPLACEMENT STAND

Integral to MODULE
Trex-0012-0011

Spare Parts



WIRELESS

WiFi, BT, NFC Upgrade Kit
Trex-0009-WB11



HANGER

Magnetic Hanger
Trex-0005-0004



SPARE BATTERY

Li-Ion Power Module
Trex-0002-1211



HAND STRAP

Replacement Set of 2
Trex-0005-0002



CARRYING CASE

Includes Hand & Shoulder Straps
Trex-0005-0011

REPLACEMENT STRAP

Strap For Carrying Case
Trex-0005-0009



FF APP

90 Day Demo
Trex-APFF-0301

FF APP

1 Year Subscription
Trex-APFF-1201

FF APP

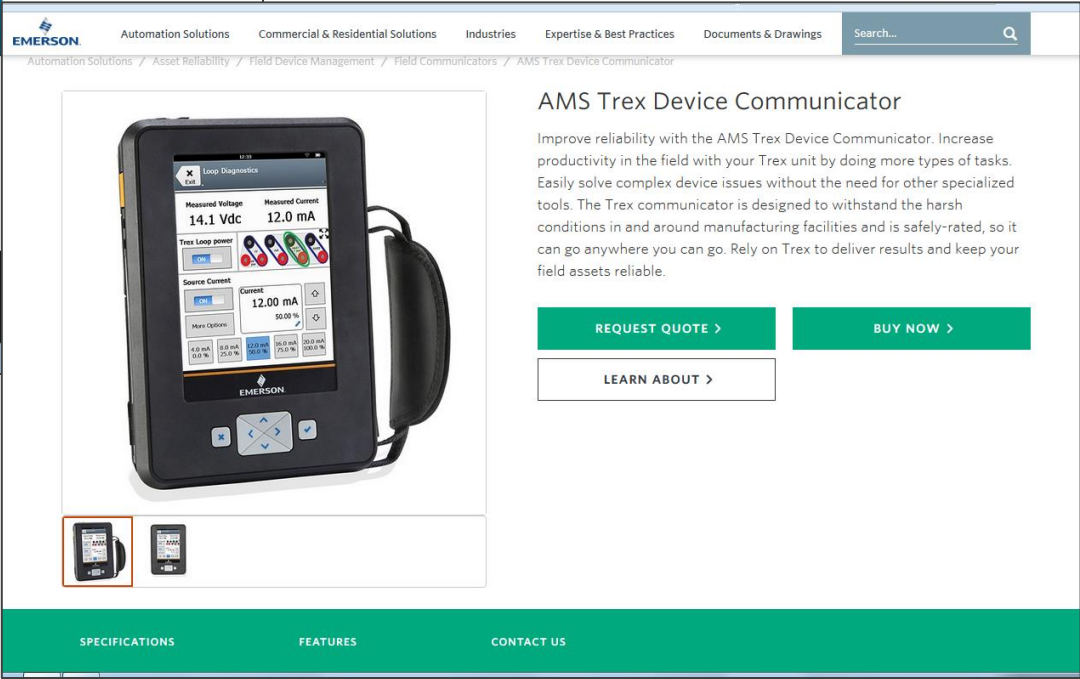
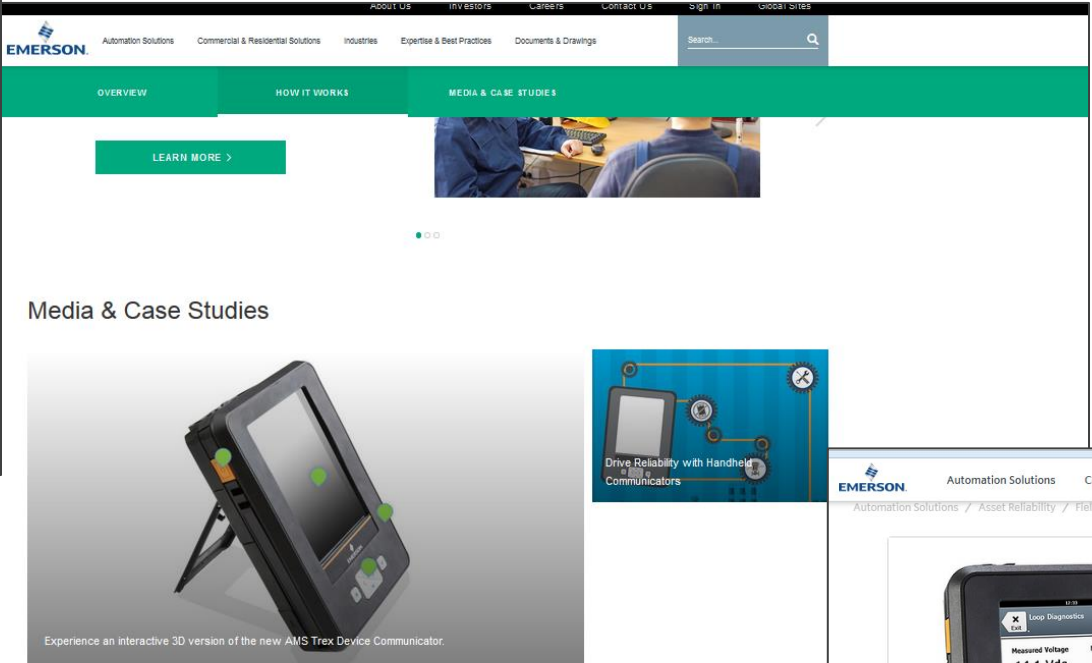
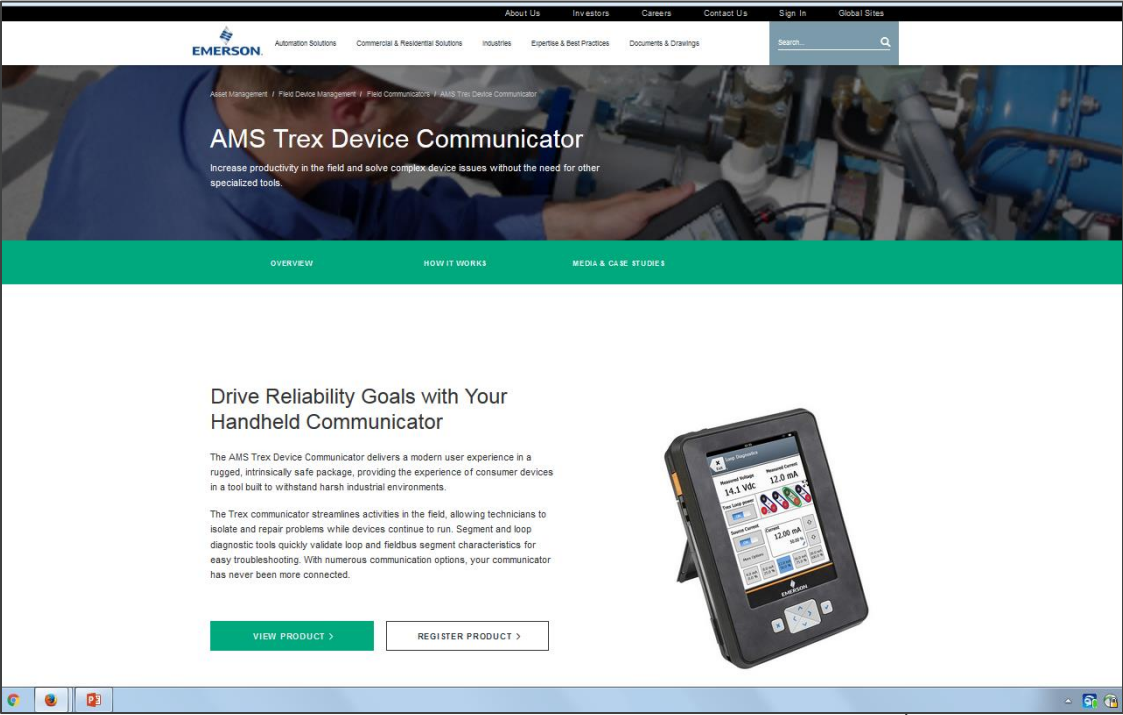
3 Year Subscription
Trex-APFF-3601

FF APP

Unlimited Subscription
Trex-APFF-PE01

AMS Trex 网址

URL: www.emerson.com/trex



疑问及产品支持,请联系:

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艾默生过程控制有限公司

