

**Product Information: Paperless Process Recorder**
**FOOD**

# Paperless Process Recorder with Legendary™ Cloud Software

**Application/Specified Usage**

- Paperless process recorder that will meet all PMO requirements
- Drop-in replacement for Anderson-Negele and most competitor existing paper recorders

**Application Examples**

- Continuous pasteurization in HTST, UHT, and Aseptic ranges
- Cold Product Recording
- Clean-In-Place (CIP)
- Clean-Out of-Place (COP)
- Juice Pasteurization
- Egg Pasteurization
- ESL Applications
- General Process Recording and Monitoring

**Features**

- 10" touchscreen display
- Pre-configure system information like operator list, product types, tank or silo list etc.
- Create and select from list of common annotations
- Scroll through all historical trends in local PPR display
- Internal redundant storage for data (up to 7 years) and charts (last 100 days)
- Unlimited cloud storage for both data and charts
- Data encryption during transmission to backup servers, preventing interception or falsification of records
- NEMA 4X enclosure

**Advantages**

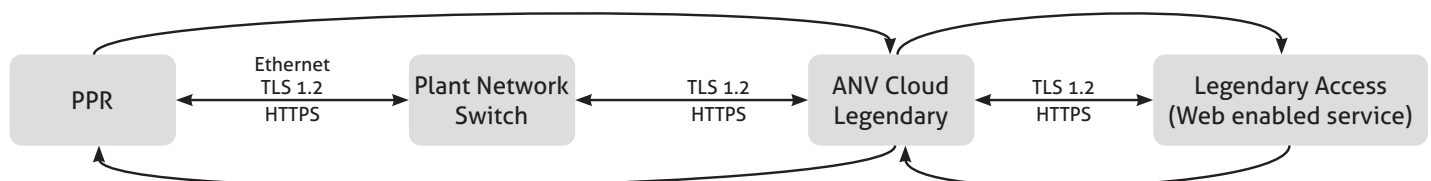
- Create audit ready digital records that meet both your internal and PMO requirements
- Streamlined annotation and approval workflow for both on-premise PPR and Legendary™ cloud software
- Intuitive digital annotation including list of pre-populated common annotations
- Supervisors, quality team and PCQI can remotely review records, request additional notes from operators, and approve records
- Secure storage and access of all historical records for authorized users

**System Overview**
**API Call from PPR to Legendary**

- Send new and revisited charts for review, approval and backup
- Send task and approval updates
- Check for new tasks, annotations, approvals, workflow and user updates

**Web-enabled device Read from Legendary**

- Access legal records for review and approval
- Track approval status of legal records
- Track status of responses from operator and other associates

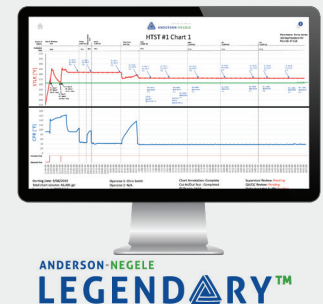
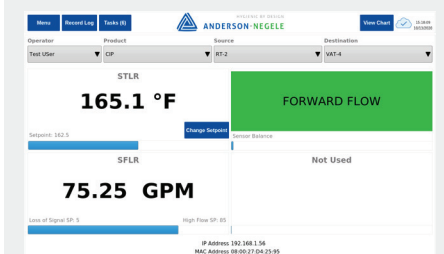

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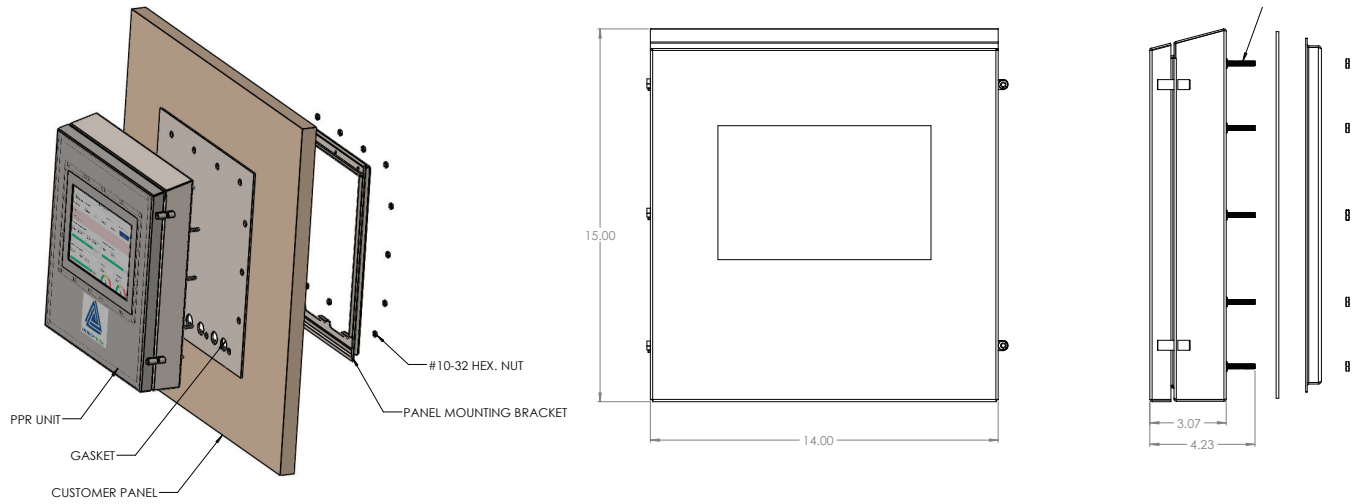
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**Paperless Process Recorder (PPR)**

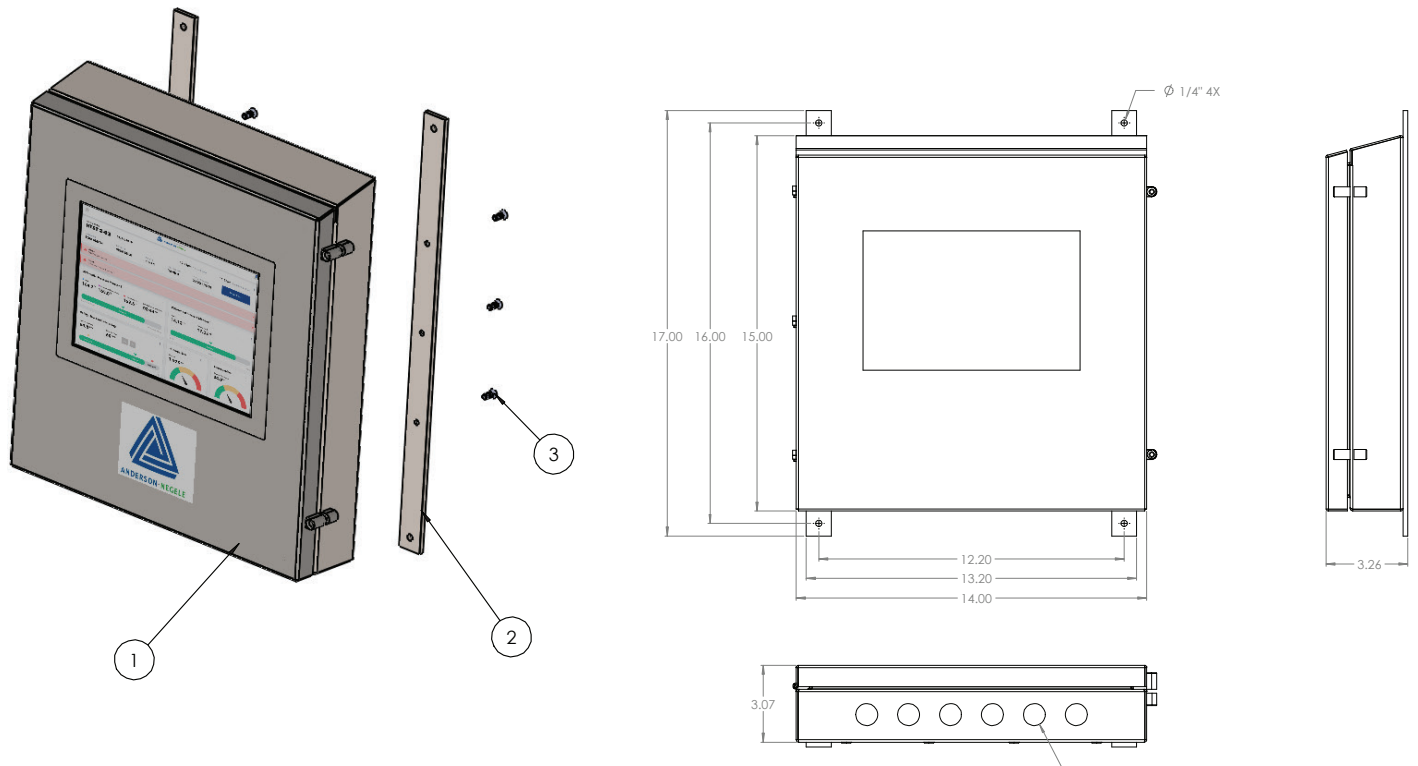
**Legendary™ Cloud Software**

**Touchscreen Display Interface**


Specification			
<b>Inputs</b>	Number of Inputs	Up to 4	
	Current	0-20mA, 4-20mA	
	Voltage	0-25mV, 0-100mV, 0-1V, 0-10V, 1-10V	
	RTD	Platinum (PT) 100, 2 or 3 wire	
	Scan Rate	100ms	
	Recording Rate	3 seconds	
	Recording Accuracy	+/- 0.3% of span	
<b>Outputs</b>	Ambient Temperature Effect	+/- 0.01% of span per deg C deviation from 25°C	
	mA Outputs	Up to 4; 0-20mA, 4-20mA	
	Relay Outputs	Up to 4; Mechanical SPDT, Normally Open or Closed	
	Digital Alarms	Contacts rated at 5 amps resistive at 115 VAC, 2.5 amps resistive at 230 VAC	
		Up to 16	
<b>Storage</b>	Removable Storage	x GB USB Drive (100 days of charts)	
	Non-Removable Storage	x GB SD Card (7 years of data and annotations, 100 days of charts)	
<b>Interface</b>	Display	10" 1280x800 Touchscreen display with chemically treated glass cover	
	Operating System	Embedded Linux	
<b>Cloud</b>	Network	Ethernet/RJ45	
	Server	Rackspace	
	Destination Domain	<a href="https://preprod-na.intellex.com">https://preprod-na.intellex.com</a>	
	TCP and UDP Ports	53, 80, 443, 853	
	Encryption	HTTPS / TLS 1.2 or above	
	Data Format	JSON	
	Sync frequency	15 minutes	
<b>Power</b>	IP Address	Dynamic or Static	
<b>Power</b>	Voltage	24VDC nominal. Minimum 20V at PPR power supply terminals.	
	Current	Max 2 amperes	
<b>Enclosure</b>	Material	Stainless Steel	Stainless Steel
	Mounting	Surface Mount on a Wall	Surface Mount on a Panel
	Conduit Openings	Qty. 6, 7/8" diameter, Located on bottom	Qty. 6, 7/8" diameter, Located on back
	Overall Dimensions	14"W x 15"H x 3"D	14"W x 15"H x 3"D
	Panel Depth	N/A	1.25"
	Panel Cutout	N/A	12.7"W x 12.7" H + 6 holes for wiring
	Front Panel Protrusion	N/A	3"
	Water Ingress Rating	NEMA 4X	NEMA 4X
	Weight	16 lbs.	16 lbs.
	Vibration	3 to 100 Hz @ 0.2g	3 to 100 Hz @ 0.2g
	Accessories	Wall mount brackets included	Panel mount clamp included
<b>Environment</b>	Operating Temperature	32-122°F	
	Humidity	10 to 90% RH, non-condensing	
<b>Approvals</b>	Electrical	CE	
<b>Warranty</b>		2 Years	

## Dimensional Drawings - Panel Mount, Back Wiring



## Dimensional Drawings - Wall Mount, Back Wiring



## Product code

PPR

Paperless Process Recorder

## Safety Thermal Limit Recorder

X None  
T STLR

## Safety Flow Limit Recorder

X None  
F SFLR (Only available with Safety Thermal Limit Recorder option T)

## Fixed

XXX

## Additional Analog Inputs

XX None  
1U One Input  
2U Two Inputs  
3U Three Inputs  
4U Four Inputs

## mA Outputs/Re-Transmission

XX None  
2A Two - Internally powered  
4A Four - Internally powered

## Additional Relay Outputs

XX None  
2R Two  
4R Four

## Enclosure

W Wall Mount, Bottom Wiring  
P Panel Mount w/Enclosure, Back Wiring

## Tamper Evident Hardware Seals

X No  
S Yes  
Fixed  
XXXXXX

PPR

T

F

XXX

1U

4A

4R

W

S

XXXXXX

## Spare Parts - Electrical

57209A0002	Motherboard (No transmitter power supply) w/ PCB screws
57209A0001	Motherboard (Four transmitter power supply) w/ PCB screws
46835A0001	Universal Input Card (1 Input)
46836A0001	mA Output Card (2 mA Out)
57211A0002	Relay Output Card, 2 Relays w/ PCB screws
57211A0001	Relay Output Card, 4 Relays w/ PCB screws
57210A0001	Main Board, SOM w/ PCB screws
42064B0003	Battery
46839A0001	Cable, LVDS, Display to Motherboard
46840A0001	Cable, USB for Touchscreen
46841A0001	SD Memory card (1 GB)

## Spare Parts - Mechanical

46815A0001	LCD Bezel
36724A0001	Screws for LCD bezel (Kit of 14)
42034D0002	Display (production version w/ foam already attached)
57202A0001	Enclosure with display, panel mount, wiring from back
57202A0002	Enclosure with display, wall mount, wiring from bottom
57206A0002	Enclosure without display, panel mount, wiring from back
57206A0001	Enclosure without display, wall mount, wiring from bottom
44390A0001	Grommets (Kit of 6)
42080D0001	Cable Glands (Kit of 6)
57216A0001	Wall mount kit
57216A0002	Panel mount kit w/o gasket
46825A0001	Panel mount gasket
57217A0001	Door hardware kit

60019 / 0.5 / 2020-10-13 / NA / AM

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