ProSense Group

Solutions & Automation Builder

Flow and dissolved-oxygen recording

Project design schedule · 27 November 2026

Project	Selection
System	Process recording
Hardware platform	ProSight paperless recorder
Software and services	Onboard recording + ProSight
Field instruments	12
Priced equipment subtotal (AUD)	$6,594.00
Unpriced equipment lines	3
Catalogue prices checked	27 November 2026
Analogue inputs required	12
Analogue inputs fitted	12
Spare analogue inputs	0
Schedule status	Selected I/O quantities fit. Engineering review is required for the ordered variants and installation.

Capabilities and functions

System	Function	Selection / capacity	Notes
Process recording	Field instruments	12 selected	4–20 mA
Process recording	4–20 mA inputs	12 used / 12 fitted	0 spare
Process recording	Local logging	Onboard recording	Built in · Set the logging interval, input scaling and storage on the recorder.
Process recording	Remote monitoring	ProSight	Integration review · Confirm the Modbus register map, gateway telemetry profile, ProSight plan and SIM.

Equipment schedule

Qty	Equipment and options	SKU	Unit AUD	Line AUD
1	**ProSight paperless recorder · 12 inputs** 12 · None · None · Transmitter / Comms Module · Specify 12 fitted current-capable inputs and the RS485 Modbus option.	Confirm	$6,594.00	$6,594.00
1	**TG451 industrial 4G gateway** RS485 Modbus RTU to cellular uplink.	Confirm	Quote	Quote

Qty	Equipment and options	SKU	Unit AUD	Line AUD
2	**Electromagnetic flow meter** 4–20 mA. ProSight LFEMF-G, DN15–DN100 range. Use the flow-rate current output.. Recorder input 1–2	Confirm	Quote	Quote
10	**Optical dissolved-oxygen sensor** 4–20 mA. Specify the XS-DO106 current-output version and the required oxygen units.. Recorder input 3–12	Confirm	Quote	Quote

Confirm tax, freight, services and current prices in the quote.

System architecture

Local recording

Field instruments
Wired instruments

Recorder
ProSight paperless recorder
From previous stage · Field wiring

Remote monitoring

Recorder
ProSight paperless recorder

Gateway
TG451 4G gateway
From previous stage · RS485 / Modbus RTU

Software / destination
ProSight
From previous stage · 4G telemetry

Connection and equipment details

Route	Stage and connection
Local recording	**1. Wired instruments** 4–20 mA · 12 devices
	2. ProSight paperless recorder · Field wiring 12 fitted inputs · Onboard recording
Remote monitoring	**1. ProSight paperless recorder** 12 fitted inputs · Onboard recording
	2. TG451 4G gateway · RS485 / Modbus RTU Register map and SIM to confirm
	3. ProSight · 4G telemetry Integration review

Signal schedule

Instrument	Qty	Signal	Destination
Electromagnetic flow meter	2	4–20 mA	Recorder input 1–2
Optical dissolved-oxygen sensor	10	4–20 mA	Recorder input 3–12

Software and integrations

Software / role	Applies to	Status and setup
Onboard recording Local logging	ProSight paperless recorder	**Built in** Set the logging interval, input scaling and storage on the recorder.

Software / role	Applies to	Status and setup
ProSight Remote monitoring	Paperless recorder via TG451	**Integration review** Confirm the Modbus register map, gateway telemetry profile, ProSight plan and SIM.

Product specifications and manuals

Open the linked references for complete product specifications and confirm the ordered variant.

Product and order option	References
ProSight paperless recorder · 12 inputs · Confirm on order · 12 · None · None · Transmitter / Comms Module	Product specification
TG451 industrial 4G gateway · Confirm on order	Product specification
Electromagnetic flow meter · Confirm on order	Product specification
Optical dissolved-oxygen sensor · Confirm on order	Product specification

Design and quotation checks

- Confirm fitted input cards, ranges, logging interval and retention.
- Confirm RS485 availability, gateway register map, cellular coverage and SIM.

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