

Professional-grade instruments for field service

Charging Kit

Superheat/Subcooling
Accessory Head with K-type
Pipe Clamp Thermocouple

ASH3, ASX14, and ASX24 Specifications

| Function | Range | Accuracy/ Resolution |
|-------------------------------|----------------|---|
| Pressure | 0 - 500psi | ±1 psi (0-200psi)/0.1 ±0.3% ±1psi (200-500psi)/0.1 |
| Vacuum (negative pressure) | 29"Hg vac. - 0 | ±1"Hg (50°F-115°F)/0.1 ±2"Hg (32°F-122°F)/0.1 |
| Temperature | -40°F - 200°F | ±1°F/0.1° |
| Superheat/ Subcooling | 0 - 80°F | ±1°F/0.1° |

* System accuracy
(Accessory head + pipe clamp thermocouple + meter after system field calibration)

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| | ASH3 | ASX14 | ASX24 |
|------------------|-------------|-------------|---------------|
| Refrigerants | R22 & R410A | R22 & R410A | R134A & R404A |
| Superheat | ● | ● | ● |
| Subcooling | ● | ● | ● |
| Suction line PSI | ● | ● | ● |
| Liquid line PSI | ● | ● | ● |
| Pipe Temperature | ● | ● | ● |

Charging Kit

Take Superheat/Subcooling Readings Easily
Measures suction/liquid line pressure and temperature and calculates the superheat/subcooling of the system. There's no easier way to find superheat/subcooling.

Connects to Fieldpiece Meters

Just snap the accessory head onto meter or use deluxe silicone leads for remote connection.



ASH3

ASX14

ASX24

Pipe Clamp Thermocouple

What is Actual Superheat/Subcooling

Actual superheat is the temperature rise of refrigerant in the evaporator after it boils. Actual subcooling is the temperature decrease of refrigerant in the condenser after condensation.

What is Target Superheat/Subcooling

Target superheat or subcooling is the equipment manufacturer's recommended superheat or subcooling under specific conditions. It varies with the equipment, outdoor air temperature, and indoor wet bulb.

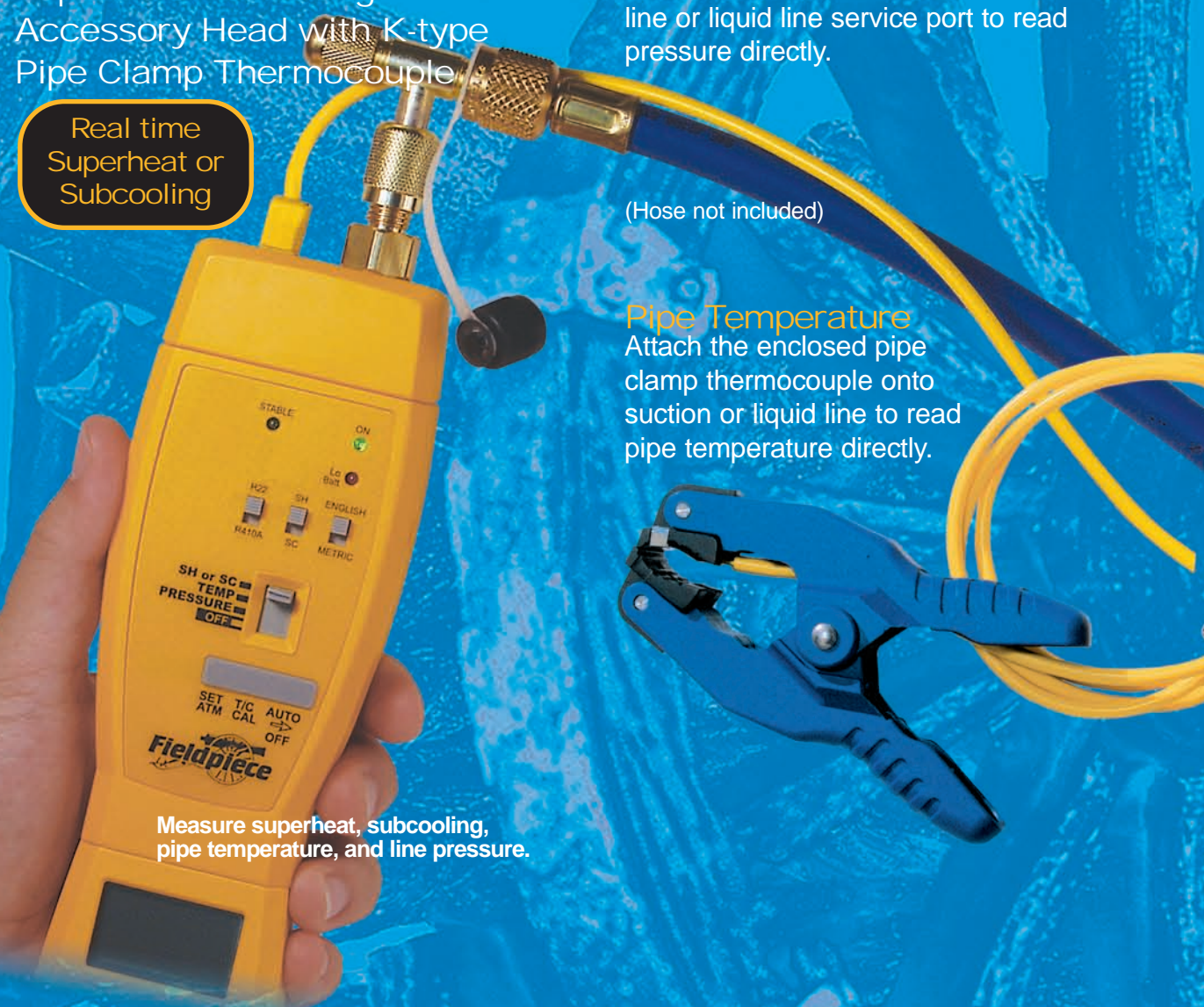
How You Charge to Superheat/Subcooling

After all components are installed and working properly, measure actual superheat and/or subcooling using the Fieldpiece accessory head and adjust the charge until the actual superheat and/or subcooling matches the target.

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Real time
Superheat or
Subcooling



Line Pressure

Attach your service hose between the accessory head and the suction line or liquid line service port to read pressure directly.

(Hose not included)

Pipe Temperature

Attach the enclosed pipe clamp thermocouple onto suction or liquid line to read pipe temperature directly.

Measure superheat, subcooling, pipe temperature, and line pressure.



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